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| **SISC DATA DICTIONARY v1.3** | **2024-11-20** |

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| **ALL** | Applies to all or multiple metrics | **N** | Nitrogen |
| **AW** | Applied Water metric | **P** | Phosphorous |
| **EN/GHG** | On farm energy and scope 3 emissions | **SE** | Soil Emissions |
| **FL** | Food Loss | **SH** | Soil Health |
| **HB** | Habitat and Biodiversity | **SIE** | Simple Irrigation Efficiency |

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| **ID** | **Descriptor** | **METRIC** | **Type/Additional Info** | **Unit Type** | **Available Units** |
| 1533 | Name of organization for which metrics will be calculated. | ALL | Text |  |  |
| 1128 | Provide the name of the farm. Metrics are collected by farm on a per management area basis. | ALL | Text; farm names should be unique for the organization. |  |  |
| 1641 | First and Last name of person entering representing the organization. | ALL | Text |  |  |
| 1643 | Title of person entering data. | ALL | Text |  |  |
| 1642 | Email for person entering data. | ALL | Text; Valid email format required. |  |  |
| 1982 | Has any part of your field management practice lead to land use changes in your assessment area over the last 20 years? | SE | Text; picklist: Yes, No |  |  |
| 1998 | IF YES - How much **HCV** or **HCS** non-forested land has been converted to farmland since 2010? | SE | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1999 | IF YES - How much **HCV** forest has been converted to farmland since 2010? | SE | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 2000 | IF YES - How much **HCS** forest has been converted to farmland since 2010? | SE | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
|  | *\*\* Repeat Set \*\* (set can repeat; maximum of 3x)* |  |  |  |  |
| 1985 | *IF YES - Year the change occurred.* | SE | Decimal; Minimum: 1970; Maximum: 2100; format 0000 |  |  |
| 1986 | *IF YES - Identify the TYPE of land use change.* | SE | Text; See table Land Use Change Type |  |  |
| 1987 | *IF YES - Enter the amount of land changed based on the usage type identified.* | SE | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
| 1125 | Select the metric(s) for this management area and crop. | ALL | Text; picklist: Soil Health, Habitat and Biodiversity, Energy Use/GHG, Soil Emissions, Simple Irrigation Efficiency, Food Loss, Applied Water Use Efficiency, Phosphorus, Nitrogen |  |  |
| 1144 | Enter the year the crop was harvested. This will be the REPORTING YEAR. | ALL | Decimal; Minimum: 2000; Maximum: 2100; format 0000 |  |  |
| 1927 | Please enter a name for this Management Area. | ALL | Text; each management area must have a unique name for the farm |  |  |
| 1119 | Please identify the country the farm is in from the available list; this defaults to the United States. | ALL | Text; See List of Countries, States and Cities; Full Table provided by request. |  |  |
| 1596 | Please identify the state the farm is in from the available list. The list of available states is based on the COUNTRY selection. | ALL | Text; See List of Countries, States and Cities; Full Table provided by request; Dependency: Country |  |  |
| 1597 | Please identify the city the farm is in from the available list. The list of available cities is based on the STATE selection. | ALL | Text; See List of Countries, States and Cities; Full Table provided by request; Dependency: State |  |  |
| 1598 | What is the TOTAL AREA for this FARM? | ALL | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1624 | What is the TOTAL AREA for this MANAGEMENT AREA? | ALL | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1139 | Select the crop planted. (Each crop is entered in a separate form). | ALL | Text; See Crop List |  |  |
| 1143 | When was the crop planted? | ALL | Date; format: mm/dd/yyyy |  |  |
| 1140 | What was the total planted area for this crop? | ALL | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1612 | When was the crop’s harvest completed? | ALL | Date; format: mm/dd/yyyy |  |  |
| 1141 | How much of the planted area was harvested? | ALL | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1142 | What was the TOTAL YIELD BY WEIGHT for this crop’s harvest during the reporting period? | ALL | Decimal; Minimum: 0; format 0.00 | Weight | kilogram,pound |
| 1298 | How many irrigation sources supply water to this management area? | N | Decimal; Minimum: 0; format 0; used in nitrogen metric for amount of N present in irrigation water by source |  |  |
| 1576 | Enter a name for this irrigation source. | N | Text; used in nitrogen metric for amount of N present in irrigation water by source |  |  |
| 1769 | How much water was applied to this crop during the reporting period from this irrigation source? | MULT [AW, SIE, EN/GHG] | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
|  | *\*\* Repeat Set: Irrigation Sources \*\* (set can repeat; maximum of 5x)* |  |  |  |  |
| 1305 | Enter the amount of nitrogen present in this water source based on your latest sample test | EN/GHG | Decimal; Minimum: 0; format 0.00000 | Conc in Water | Parts per Million |
| 1458 | Select the power source for the water source from the available list (if applicable) | EN/GHG | Text; See Irrigation Power Source |  |  |
| 1459 | Enter the well depth (if applicable) for this water source | EN/GHG | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1460 | What is the pressure (PSI) of the well pump (if applicable) | EN/GHG | Decimal; Minimum: 0; format 0.000 | Pressure | Bar,Pounds per Square Inch |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
| 1608 | What was the recommended phosphorous from the most recent lab analysis? | P | Decimal; Minimum: 0; format 0.00 | Weight/Area | Pounds per Acre,Tonnes per Hectare |
|  | *\*\* Repeat Set: Products Applied \*\* (set can repeat; maximum of 10x)* |  |  |  |  |
| 1257 | *Please identify the product applied from the list or select CUSTOM.* | N, P | Text; picklist See Product List |  |  |
| 1256 | *Is the product synthetic or organic?* | N, P | Text; picklist: Synthetic, Organic |  |  |
| 1384 | *How much of this product was applied to the crop during the reporting season?* | N, P | Decimal; Minimum: 0; format 0.00 | Weight/Area | Pounds per Acre,Tonnes per Hectare for DRY; Gallons per Acre,Liters per Hectare for WET |
| 2001 | *If using a CUSTOM product, indicate the analysis entry type.* | N, P | Text; picklist: Total Applied Units, % |  | **Only if using CUSTOM from product list** |
| 1277 | *What is the N % of the CUSTOM product applied?* | N, P | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  | **If using a custom product; these values auto populate if selecting product from the list** |
| 1278 | *What is the P205 % of the CUSTOM product applied* | N, P | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  | **If using a custom product; these values auto populate if selecting product from the list** |
| 1279 | *What is the K % of the CUSTOM product applied* | N, P | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  | **If using a custom product; these values auto populate if selecting product from the list** |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
| 1489 | Was this crop a cover crop? | N | Text; picklist: Yes,No |  |  |
| 1483 | IF YES, was the cover crop a leguminous or cash crop | N | Text; picklist: Yes,No |  |  |
| 1484 | IF YES, How much of the planted area (as a % of the planted area) was planted with N Fixing Crop (%) | N | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1485 | IF YES, What was the level of Crop Maturity when harvested/terminated? | N | Text; See Crop Maturity |  |  |
| 1486 | IF YES, What was the average height of the crop when harvested/terminated? | N | Decimal; Minimum: 0; format 0.00 |  |  |
| 1487 | IF YES, What was the stem description of the crop when harvested/terminated? | N | Text; picklist: 2 options - Significant thick, woody, fibrous stems  No significant thick, woody, fibrous stems |  |  |
| 1488 | IF YES, What percentage of the crop mix was leguminous? | N | Text; See Percent Legume Mix |  |  |
| 1625 | Identify the method for the Energy/GHG metric. | EN/GHG | Test; picklist: Whole Farm, Activity, Weighted Values |  |  |
| 1609 | How many days prior to planting this crop did you start land prep? | EN/GHG | Decimal; Minimum: 0; format 0 |  |  |
| 1610 | What was the total Kilowatt hours used by the farm for the reporting period? | EN/GHG | Decimal; Minimum: 0; format 0.00 |  |  |
| 1611 | How much, if any, of this electricity should be excluded from the on-farm calculation? | EN/GHG | Decimal; Minimum: 0; format 0.00 |  |  |
| 1613 | What percentage of your farm’s electricity is generated from renewable sources? | EN/GHG | Decimal; Minimum: 0; Maximum: 100; format 0 |  |  |
|  | \*\*\*\*\* WHOLE FARM/WEIGHTED METHOD \*\*\*\*\* |  | Dependency on method selected |  |  |
| 1627 | Enter the total amount of DIESEL used by the whole farm (or crop if using WEIGHTED method) | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1629 | Enter the total amount of GAS used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1630 | Enter the total amount of PROPANE used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1632 | Enter the total amount of NATURAL GAS used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1631 | Enter the total amount of LPG (Liquefied Petroleum Gas) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1633 | Enter the total amount of E100 (100% Ethanol) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1634 | Enter the total amount of E10 (10% Ethanol, 90% Gasoline) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1635 | Enter the total amount of E85 (85% Ethanol, 15% Gasoline) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1636 | Enter the total amount of B100 (100% Biodiesel) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1637 | Enter the total amount of B5 (5% Biodiesel) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1638 | Enter the total amount of B20 (20% Biodiesel) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1639 | Enter the total amount of LNG (Liquefied Natural Gas) used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
| 1640 | Enter the total amount of Aviation Gas used by the whole farm (or crop if using WEIGHTED method). | EN/GHG | Decimal; Minimum: 0; format 0.00 | Volume | gallon,liter |
|  | \*\*\*\*\* END WHOLE FARM/WEIGHTED METHOD \*\*\*\*\* |  |  |  |  |
|  | \*\*\*\*\* ACTIVITY METHOD \*\*\*\*\* |  | Dependency on method selected |  |  |
|  | *\*\* Repeat Set: Machines used for Activity\*\* (set can repeat; no set maximum)* |  |  |  |  |
| 1825 | Enter a name for this equipment | EN/GHG | Text |  |  |
| 1816 | Machine Fuel Type | EN/GHG | Text; picklist: see Fuel Types |  |  |
| 1817 | What is the horsepower of this equipment? | EN/GHG | Decimal; Minimum: 0; format 0.00 |  |  |
| 1818 | Enter the number of passes that this equipment made on this management area for LAND PREP for this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
| 1819 | Enter the number of passes that this equipment made on this management area for PLANTING for this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
| 1820 | Enter the number of passes that this equipment made on this management area for FERTILIZER APPLICATION for this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
| 1821 | Enter the number of passes that this equipment made on this management area for PEST AND WEED CONTROL for this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
| 1823 | Enter the number of passes that this equipment made on this management area for HARVESTING for this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
| 1824 | Enter the number of passes that this equipment made on this management area for AERIAL applications on this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
| 1822 | Enter the number of passes that this equipment made on this management area for OTHER CULTIVATING ACTIVITIES for this crop during the season | EN/GHG | Decimal; Minimum: 0; format 0.0 |  |  |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
|  | \*\*\*\*\* END ACTIVITY METHOD \*\*\*\*\* |  |  |  |  |
| 1863 | Which crop does this loss apply to? | FL | Text; Crop list limited to only what was entered in the ALL section |  |  |
| 1866 | In what crop year was the loss incurred? | FL | Decimal; Minimum: 2000; Maximum: 2075 format 0000 |  |  |
| 1867 | What is the average weight of a packed container? | FL | Decimal; Minimum: 0; format 0.00 | Weight | kilogram,pound |
| 1868 | What were the costs per pound for marketable product unit? | FL | Decimal; Minimum: 0; format 0.00 | $/lb | $/lb |
| 1869 | What were the total input costs to produce the marketable product? | FL | Decimal; Minimum: 0; format 0.00 | $ | $ |
| 1870 | What was the wholesale price for marketable product? | FL | Decimal; Minimum: 0; format 0.00 | $ | $ |
| 1871 | How much of this crop was rejected by the buyer/processor? | FL | Decimal; Minimum: 0; format 0.00 | Weight | kilogram,pound |
| 1903 | How much of this crop’s planted area never reached full maturity? | FL | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1873 | Field Sampling Date | FL | Date; format dd/mm/yyy |  |  |
| 1885 | What is the % of the field sampled? | FL | Decimal; Minimum: 0; Maximum:100; format 0.00 |  |  |
| 1874 | How many rows sampled? | FL | Decimal; Minimum: 0; format 0 |  |  |
| 1875 | What is the row spacing for this field (average if multiple)? | FL | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
|  | *\*\* Repeat Set \*\* (set can repeat; maximum 3x)* |  |  |  |  |
| 1876 | *What is the marketable product sample weight?* | FL | Decimal; Minimum: 0; format 0.00 | Weight | gram,pound |
| 1877 | *What is the edible, but not marketable product sample weight?* | FL | Decimal; Minimum: 0; format 0.00 | Weight | gram,pound |
| 1878 | *What is the inedible product sample weight?* | FL | Decimal; Minimum: 0; format 0.00 | Weight | gram,pound |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
|  | *\*\* Repeat Set: Loss Reason \*\* (set can repeat; no set maximum)* |  |  |  |  |
| 1904 | *Select the process area for this loss type from the available list. \*\*Repeat (Unlimited Entries)\*\** | FL | Text; Picklist; See Food Loss Types |  |  |
| 1930 | *Select the unit type for this loss type from the available list. \*\*Repeat (Unlimited Entries)\*\** | FL | Text; picklist; See Food Loss Unit |  |  |
| 1929 | *Enter the amount of loss based on the unit selected. \*\*Repeat (Unlimited Entries)\*\** | FL | Decimal; Minimum: 0; format 0.00 |  |  |
| 1906 | *Select the reason why this crop was not harvested (walk-by acres) from the available list \*\*Repeat (Unlimited Entries)\*\** | FL | Text; picklist; See Reason for Loss |  |  |
| 1907 | *What percentage (%) of the crop falls into this loss category? \*\*Repeat (Unlimited Entries)\*\** | FL | Decimal; Minimum: 0; Maximum: 100; format 0 |  |  |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
|  | *\*\* Repeat Set: Loss Destination \*\* (set can repeat; maximum 3x)* |  |  |  |  |
| 1908 | *What was the final dispensation for this loss?* | FL | Text; picklist; See Loss Destination |  |  |
| 1909 | *What percentage (%) of the loss volume went to this location?* | FL | Decimal; Minimum: 0; Maximum: 100; format 0 |  |  |
| 1911 | *How much, by weight, was donated?* | FL | Decimal; Minimum: 0; format 0.00 | Weight | gram,pound |
|  | *\*\* End Repeat Set \*\** |  |  |  |  |
| 1602 | What size range are your fields (select from the available list) | HB | Text; picklist; See Area Size |  |  |
| 1604 | What size are the patches of natural vegetation on your farm? | HB | Text; picklist See Area Size |  |  |
| 1605 | How many patches of natural habitat are there on your farm? | HB | Text; picklist; See Patches |  |  |
| 1645 | What size are the farm fields in the neighborhood around your farm? | HB | Text; picklist; See Area Size |  |  |
| 1646 | What size are patches of natural vegetation in the area around your farm? | HB | Text; picklist; See Area Size |  |  |
| 1647 | How many patches of natural habitat are there on other farms in your neighborhood? | HB | Text; picklist; See Patches |  |  |
| 1648 | What is the total farmed area of this farm? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1649 | What is the total area cropped (annual/herbaceous) | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1650 | What is the total farmed area that is cropped (perennial)? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1651 | What is the total area not cropped? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1652 | How much of the farm area is built/developed? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1653 | How much of the farm area natural woodland? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1654 | How much of the farm area is natural grassland? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1655 | How much of the farm area is natural riparian? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1656 | How much of the farm area is open water or wetland? | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1657 | Is there more than one crop species on the farm at one time? | HB | Text; picklist: Yes, No |  |  |
| 1667 | If yes, how many? | HB | Decimal |  |  |
| 1658 | Is there more than one variety of any of your crops? | HB | Text; picklist: Yes, No |  |  |
| 1668 | If yes, how many crop types do grow more than 1 variety? | HB | Decimal |  |  |
| 1659 | Do you utilize wildlife friendly management practices? | HB | Text; picklist: Yes, No, NA |  |  |
| 1672 | If yes, which practices? | HB | Text; picklist; See Management Practices (H&B) |  |  |
| 1660 | Do you grow alfalfa? | HB | Text; picklist: Yes, No, NA |  |  |
| 1677 | If yes, what percentage of total crop area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1661 | Hay or other feed crops? | HB | Text; picklist: Yes, No, NA |  |  |
| 1671 | % of total crop area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1673 | Hay or feed crop harvest timed to avoid nesting birds? | HB | Text; picklist: Yes, No, NA |  |  |
| 1674 | Cover crops/green manure between crop cycles or within portion of cropped area? | HB | Text; picklist: Yes, No |  |  |
| 1776 | % of total crop area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 | Area | acre,hectare |
| 1678 | Cover crops/green manure with wildlife friendly management? *(e.g., sow flowering crop type and allow cover crop to flower)* | HB | Text; picklist: Yes, No, NA |  |  |
| 1679 | % of cropped area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1682 | Crop rotation? | HB | Text; picklist: Yes, No, NA |  |  |
| 1684 | Rotation length? | HB | Decimal; Minimum: 0; format 0.00 |  |  |
| 1685 | Specify months or years: | HB | Text; picklist; Months, Years |  |  |
| 1686 | Intercropping or multistory cropping? | HB | Text; picklist: Yes, No, NA |  |  |
| 1688 | % of cropped area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1689 | Disking only? *(no mold blowing)* | HB | Text; picklist: Yes, No |  |  |
| 1691 | %of cropped area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1692 | No tillage? *(e.g., mowing only under perennial crops)* | HB | Text; picklist: Yes, No |  |  |
| 1694 | % of cropped area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1695 | Other wildlife-friendly tillage? *(e.g., delay plowing to avoid nesting birds)* | HB | Text; picklist: Yes, No, NA |  |  |
| 1697 | % of cropped area? | HB | Decimal; Minimum: 0; Maximum: 100; format 0.00 |  |  |
| 1698 | Organic material added to soil annually or more frequently? | HB | Text; picklist: Yes, No |  |  |
| 1700 | What type? | HB | Text; picklist: See Organic Material |  |  |
| 1701 | Crop protection products *(including herbicides)*? | HB | Text; picklist: Yes, No |  |  |
| 1702 | Crop protection products: organic-certified only? | HB | Text; picklist: Yes, No |  |  |
| 1703 | Crop protection techniques: reduce use to protect wildlife? | HB | Text; picklist: Yes, No |  |  |
| 1704 | Crop protection techniques: GPS enabled precision spray? | HB | Text; picklist: Yes, No |  |  |
| 1705 | Crop protection techniques: biological control? | HB | Text; picklist: Yes, No |  |  |
| 1708 | If you have other cropping practices not listed above, add them using the spaces provided. Other *(please specify)* | HB | Text |  |  |
| 1712 | Other *(please specify)* | HB | Text |  |  |
| 1714 | Conservation buffer? | HB | Text; picklist: Yes, No |  |  |
| 1716 | Area: *Area will default to using imperial units (acres)* | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1717 | Length: *this will default to imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1718 | Average width: *this will default to using imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1719 | Pollinator/beneficial insect habitat? *(e.g., insectary strips)* | HB | Text; picklist: Yes, No |  |  |
| 1721 | Please document the area: *area will default to using imperial units (acres)* | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1722 | Length: *this will default to imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1723 | Average width: *this will default to using imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1724 | Hedgerows up to 6ft tall and/or wide? | HB | Text; picklist: Yes, No |  |  |
| 1726 | Area: *Area will default to using imperial units (acres)* | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,hectare |
| 1727 | Length: *this will default to imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1728 | Average width: *this will default to using imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Area | acre,square meter |
| 1729 | Hedgerows greater than 6’ (feet) tall? | HB | Text; picklist: Yes, No |  |  |
| 1731 | Length: *this will default to imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1732 | Average width: *this will default to using imperial units (feet)* | HB | Decimal; Minimum: 0; format 0.00 | Length | foot,meter |
| 1733 | Bird bat boxes, platforms, or perches? | HB | Text; picklist: Yes, No |  |  |
| 1735 | How many bird boxes? | HB | Decimal; Minimum: 0; format 0.00 |  |  |
| 1736 | How many bat boxes? | HB | Decimal; Minimum: 0; format 0.00 |  |  |
| 1737 | How many platforms? | HB | Decimal; Minimum: 0; format 0.00 |  |  |
| 1737 | How many perches? | HB | Decimal; Minimum: 0; format 0.00 |  |  |
| 1739 | Conservation of native ecosystems? *(on land or aquatic)* | HB | Text; picklist: Yes, No |  |  |
| 1740 | Conservation of habitat for species of concern? *(e.g., protected or sensitive species)* | HB | Text; picklist: Yes, No |  |  |
| 1741 | Conservation of large blocks of habitat? | HB | Text; picklist: Yes, No |  |  |
| 1742 | Water resources practices to minimize impact? | HB | Text; picklist: Yes, No |  |  |
| 1744 | What management practices and specific intervals? *(e.g., aquatic plants removed 1x yr, dredging every 3 yr)* | HB | Text |  |  |
| 1745 | Water quality buffer around water bodies? | HB | Text; picklist: Yes, No |  |  |
| 1746 | Improved buffer around water bodies & irrigation | HB | Text; picklist: Yes, No |  |  |
| 1748 | How is vegetation managed and what intervals? *(e.g., mowing, aquatic mowing once per year, bank vegetation pruned every 3 yr)* | HB | Text |  |  |
| 1749 | Seasonal shallow water? | HB | Text; picklist: Yes, No |  |  |
| 1751 | How is aquatic vegetation and dredging managed? *(e.g., less frequent dredging/veg removal)* | HB | Text |  |  |
| 1752 | Restoration of in-stream aquatic habitat? | HB | Text; picklist: Yes, No |  |  |
| 1754 | What management practices? | HB | Text |  |  |
| 1755 | Conservation easement/agreement? | HB | Text; picklist: Yes, No |  |  |
| 1756 | Invasive species management plan implemented? | HB | Text; picklist: Yes, No |  |  |
| 1757 | Management of a portion of your farm to ensure wildlife can safely move through the landscape? *(i.e., wildlife connectivity)* | HB | Text; picklist: Yes, No, NA |  |  |
| 1759 | How? | HB | Text |  |  |
| 1760 | If you have other non-cropping practices not listed above, add them using the spaces provided. Other *(please specify)* | HB | Text |  |  |
| 1761 | Other *(please specify)* | HB | Text |  |  |
| 1953 | County: | SE | Text; picklist: See County Fips Master |  | Only US, CALIFORNIA |
| 1955 | MLRA: | SE | Text; picklist: See MLRA CA Only |  | Only US, CALIFORNIA |
| 1951 | Crop: *(if multiple, select from the list)* | SE | Text: picklist: See Crop List |  | Only US, CALIFORNIA |
| 1957 | Tillage system: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1960 | Cover cropping: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1964 | Compost addition: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1968 | Fert reduction: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1969 | Scenario 1: Change practices to calculate different emissions outcomes based on practices changes: Tillage system: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1970 | Cover cropping: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1971 | Compost addition: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1972 | Fertilizer reduction: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1975 | Scenario 2: Tillage system: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1976 | Cover cropping: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1977 | Compost addition: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 1978 | Fertilizer reduction: | SE | Text; picklist: See SE Practices |  | Only US, CALIFORNIA |
| 2015 | Lab test date | SH | Date; format DD/MM/YYYY |  |  |
| 2016 | What was the percent organic matter? | SH | Decimal; format 0.00; MIN: 0; MAX: 100; | Percent |  |
| 2017 | Please enter the date of the Soil Aggregate test. | SH | Date; format DD/MM/YYYY |  |  |
| 2018 | Please identify the soil aggregate test type from the list available | SH | Text; picklist; Lab Test, Slakes app |  |  |
| 2021 | Please enter the aggregate stability index score from the test. | SH | Decimal; format 0.00; MIN: 0 |  |  |
| 2084 | Enter the year the crop was harvested. This will be the REPORTING YEAR. | SIE | Decimal; format 0000; Minimum: 2000; Maximum: 2100 |  |  |
| 417 | Select the crop from the available list. | SIE | Text; picklist; see Crop List |  |  |
| 485 | Enter the total applied water for the crop | SIE | Decimal; format 0.00; Minimum: 2000 | Volume | gallon,liter |
| 486 | Enter the accumulated amount of rainfall the crop received during the season | SIE | Decimal; format 0.00; Minimum: 0 | Length | Foot, cm |
| 416 | Enter the SALINITY of the applied irrigation water (ECw) | SIE | Decimal; format 0.0; Minimum: 0 |  |  |
| 2097 | Do you want to override the calculated ETc? | SIE | Text; picklist: Yes, No (yes = calculate) |  |  |
| 415 | IF NO, Select the best estimate of AVERAGE DAILY RELATIVE HUMIDITY during the mid-season | SIE | Text; picklist: Arid (RHMean = 45%), Semi-arid (RHMean = 55%), Sub-humid (RHMean = 75%), Humid (RHMean = 80%), Very Humid (RHMean = 90%) |  |  |
| 414 | IF NO, Select the best estimate of AVERAGE MID-SEASON WIND SPEED from the list provided | SIE | Text; picklist: Light Wind (<= 2 mph), Light to Moderate (>2-<5 mph); Moderate to Strong (>5-<11 mph), Strong )>= 11 mph) |  |  |
| 680 | IF YES, Enter the crop ETc | SIE | Decimal; format 0.00; Minimum: 0 |  |  |
| 464 | IF YES, Enter the height of the crop at harvest. | SIE | Decimal; format: 0.00; Minimum: 0 | Length | Foot, cm |
| 2100 | Do you want to override the calculated growth stages? | SIE | Text; picklist: Yes, No |  |  |
| 421 | IF NO, Select the best fit for crop growth stage from the list of references | SIE | Text; picklist: see Growth Stage Reference Models |  |  |
| 488 | IF YES, Enter the date for END OF INI | SIE | Date; format DD/MM/YYYY |  |  |
| 489 | IF YES, Enter the date for END OF DEV | SIE | Date; format DD/MM/YYYY |  |  |
| 490 | IF YES, Enter the date for END OF MID | SIE | Date; format DD/MM/YYYY |  |  |

# TABLES

Reference tables linked from above are provided in the following pages.

## Land Use Change Type

|  |  |
| --- | --- |
| ID | ITEM |
| 1 | Cultivated (No Change) |
| 2 | Cultivated >> Native Forest |
| 3 | Cultivated >> Native Grassland |
| 4 | Cultivated >> Paddy |
| 5 | Cultivated >> Perennial |
| 6 | Cultivated >> Set-aside |
| 7 | Native Forest (No Change) |
| 8 | Native Forest >> Cultivated |
| 9 | Native Forest >> Native Grassland |
| 10 | Native Forest >> Paddy |
| 11 | Native Forest >> Perennial |
| 12 | Native Forest >> Set-aside |
| 13 | Native Grassland (No Change) |
| 14 | Native Grassland >> Cultivated |
| 15 | Native Grassland >> Native Forest |
| 16 | Native Grassland >> Paddy |
| 17 | Native Grassland >> Perennial |
| 18 | Native Grassland >> Set-aside |
| 19 | Paddy (No Change)) |
| 20 | Paddy >> Cultivated |

## 

## List of Countries, States and Cities

Example of table demonstrating the columns available for use. The full table can be provided upon request. The tool only uses information in the COUNTRY, CIT\_NAME and COUNTY\_PROVINCE columns.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Country | LOCODE | City\_Name | NameWoDiacritics | SubDiv | UNLOCODE\_Function | TBL\_Status | TBL\_Date | IATA | Coordinates | Remarks | County\_Province |
| Brazil | BR  ABT | Abaeté | Abaete | MG | 1-3----- | RL | 0601 |  | 1909S 04527W |  |  |
| Brazil | BR  ATB | Abaetetuba | Abaetetuba | PA | 1-3----- | RL | 0401 |  | 0142S 04854W |  |  |

## Crop List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | crop\_name | alias | ECe | SISC\_Soil\_HealthAlias | SISC\_Soil\_Health\_CropType |
| 1 | Acacia Koa |  | 0 |  |  |
| 2 | Africannuttree |  | 0 |  |  |
| 3 | Alfalfa |  | 2 |  |  |
| 4 | Alfalfa Seed |  | 0 |  |  |
| 5 | Alfalfa/Timthy |  | 0 |  |  |
| 6 | Allspice |  | 0 |  |  |
| 7 | Almonds |  | 1.5 | almond | woody |
| 8 | Amaranth |  | 0 |  |  |
| 9 | Amur Grape |  | 0 |  |  |
| 10 | Angelica |  | 0 |  |  |
| 11 | Anise |  | 0 |  |  |
| 12 | Annatto |  | 0 |  |  |
| 13 | Apples |  | 0.5 |  |  |
| 14 | Apricots |  | 1.6 |  |  |
| 15 | Aronia Berry |  | 0 |  |  |
| 16 | Arracacha |  | 0 |  |  |
| 17 | Arrowroot |  | 0 |  |  |
| 18 | Arugula |  | 0 |  |  |
| 19 | Artichoke,Chi. |  | 0 |  |  |
| 20 | Artichoke,Jeru |  | 0.4 |  |  |
| 21 | Artichokes |  | 4.5 |  |  |
| 22 | Asparagus |  | 8 |  |  |
| 23 | Aster,Stokes |  | 0 |  |  |
| 24 | Avocados |  | 0.5 | avocado | woody |
| 25 | Azaleas |  | 0 |  |  |
| 26 | Azarole |  | 0 |  |  |
| 27 | Bahiagrass |  | 0 |  |  |
| 28 | Balm |  | 0 |  |  |
| 29 | Balsam Apple |  | 0 |  |  |
| 30 | Balsam Pear |  | 0 |  |  |
| 31 | Barberry |  | 0 |  |  |
| 32 | Barberry, Euro |  | 0 |  |  |
| 33 | Barley, Fall |  | 0 |  |  |
| 34 | Barley, Spring |  | 0 |  |  |
| 35 | Barley, Winter |  | 0 |  |  |
| 36 | Basil |  | 0 |  |  |
| 37 | Bay Leaf |  | 0 |  |  |
| 38 | Bean,Asparagus |  | 0 |  |  |
| 39 | Beans (Adzuki) |  | 0 |  |  |
| 40 | Beans (Broad) |  | 0 |  |  |
| 41 | Beans (Dry) |  | 0 |  |  |
| 42 | Beans (Green) |  | 0 |  |  |
| 43 | Beans (Lima Dr |  | 0 |  |  |
| 44 | Beans (Lima Su |  | 0 |  |  |
| 45 | Beans (Mung) |  | 0 |  |  |
| 46 | Bedding Plants |  | 0 |  |  |
| 47 | Beechnuts |  | 0 |  |  |
| 48 | Beets (Root) |  | 4 |  |  |
| 49 | Beets (Table) |  | 0 |  |  |
| 50 | Beets (Top) |  | 0 |  |  |
| 51 | Beets,Garden |  | 0 |  |  |
| 52 | Bentgrass |  | 0 |  |  |
| 53 | Bermudagrass |  | 0 |  |  |
| 54 | Bilberry |  | 0 |  |  |
| 55 | Bitter Melon |  | 0 |  |  |
| 56 | Black Caraway |  | 0 |  |  |
| 57 | Black Currant |  | 0 |  |  |
| 58 | Black Pepper |  | 0 |  |  |
| 59 | Black Spruce |  | 0 |  |  |
| 60 | Blackberries |  | 1.5 |  |  |
| 61 | Blueberries |  | 0 |  |  |
| 62 | Blueberry, Low |  | 0 |  |  |
| 63 | Bluegrass |  | 0 |  |  |
| 64 | Bok Choy |  | 0.9 |  |  |
| 65 | Borage |  | 0 |  |  |
| 66 | Boysenberries |  | 1.5 |  |  |
| 67 | Brazil Nuts |  | 0 |  |  |
| 68 | Brazilian Pine |  | 0 |  |  |
| 69 | Broccoli |  | 2.8 | broccoli | annual |
| 70 | Broccoli Raab |  | 2.8 |  |  |
| 71 | Bromegrass |  | 0 |  |  |
| 72 | Brussels Sprts |  | 2 |  |  |
| 73 | Buckwheat |  | 0 |  |  |
| 74 | Buffalocurrant |  | 0 |  |  |
| 75 | Buffalograss |  | 0 |  |  |
| 76 | Buffer Strips |  | 0 |  |  |
| 77 | Buildings |  | 0 |  |  |
| 78 | Bulb Crops |  | 0 |  |  |
| 79 | Bunya |  | 0 |  |  |
| 80 | Bur Oak |  | 0 |  |  |
| 81 | Burnet |  | 0 |  |  |
| 82 | Butternuts |  | 0 |  |  |
| 83 | Cabbage |  | 1.8 |  |  |
| 84 | Cajou Nut |  | 0 |  |  |
| 85 | Calamondin |  | 0 |  |  |
| 86 | Camomile |  | 0 |  |  |
| 87 | Canals |  | 0 |  |  |
| 88 | Candlenut |  | 0 |  |  |
| 89 | Canola |  | 0 |  |  |
| 90 | Cantaloupe |  | 2 |  |  |
| 91 | Caper Buds |  | 0 |  |  |
| 92 | Caraway |  | 0 |  |  |
| 93 | Cardamom |  | 0 |  |  |
| 94 | Cardoon |  | 0 |  |  |
| 95 | Carpetgrass |  | 0 |  |  |
| 96 | Carrots |  | 1 |  |  |
| 97 | Casaba |  | 0 |  |  |
| 98 | Cashew Nuts |  | 0 |  |  |
| 99 | Cassava |  | 0 |  |  |
| 100 | Cassia Bark |  | 0 |  |  |
| 101 | Cassia Buds |  | 0 |  |  |
| 102 | Castor Beans |  | 0 |  |  |
| 103 | Catnip |  | 0 |  |  |
| 104 | Cauliflower |  | 2 | cauliflower | annual |
| 105 | Cavalobroccolo |  | 0 |  |  |
| 106 | Celeriac |  | 1.8 |  |  |
| 107 | Celery |  | 1.8 |  |  |
| 108 | Celtuce |  | 0 |  |  |
| 109 | Centipedegrass |  | 0 |  |  |
| 110 | Chayote |  | 2 |  |  |
| 111 | Chayote Root |  | 0 |  |  |
| 112 | Cherries-Sour |  | 0.5 | cherry | woody |
| 113 | Cherries-Sweet |  | 0.5 | cherry | woody |
| 114 | Chervil |  | 0 |  |  |
| 115 | Chervil-Root |  | 0 |  |  |
| 116 | Chestnuts |  | 0 |  |  |
| 117 | Chickpeas |  | 0 |  |  |
| 118 | Chicory |  | 0 |  |  |
| 119 | Chilean Guava |  | 0 |  |  |
| 120 | Chinese Celery |  | 0 |  |  |
| 121 | Chinese Chive |  | 0 |  |  |
| 122 | Chinese Cucumb |  | 0 |  |  |
| 123 | Chinese Mustrd |  | 0 |  |  |
| 124 | Chinese Parsle |  | 0 |  |  |
| 125 | Chinese Spnach |  | 0 |  |  |
| 126 | Chinquapin |  | 0 |  |  |
| 127 | Chinse Waxgour |  | 0 |  |  |
| 128 | Chironja |  | 0 |  |  |
| 129 | Chives |  | 0 |  |  |
| 130 | Christmas Tree |  | 0 |  |  |
| 131 | Chrysanthemums |  | 0 |  |  |
| 132 | Chufa |  | 0 |  |  |
| 133 | Cilantro |  | 0 |  |  |
| 134 | Cinnamon |  | 0 |  |  |
| 135 | Citron Melon |  | 0 |  |  |
| 136 | Citrus Citron |  | 0 |  |  |
| 137 | Clary |  | 0 |  |  |
| 138 | Cloudberry |  | 0 |  |  |
| 139 | Clove Buds |  | 0 |  |  |
| 140 | Clover, Alsike |  | 0 |  |  |
| 141 | Clover, Ladino |  | 0 |  |  |
| 142 | Clover, Red |  | 0 |  |  |
| 143 | Clover, Seed |  | 0 |  |  |
| 144 | Clover, Sweet |  | 0 |  |  |
| 145 | Clover, White |  | 0 |  |  |
| 146 | Clover,Arrowlf |  | 0 |  |  |
| 147 | Clover,Crimson |  | 0 |  |  |
| 148 | Cocona |  | 0 |  |  |
| 149 | Coconuts |  | 0 |  |  |
| 150 | Collards |  | 2 |  |  |
| 151 | Conifers |  | 0 |  |  |
| 152 | Coquito Nut |  | 0 |  |  |
| 153 | Coriander |  | 0 |  |  |
| 154 | Corn Salad |  | 0 |  |  |
| 155 | Corn/Field |  | 0 |  |  |
| 156 | Corn/Pop |  | 0 |  |  |
| 157 | Corn/Sweet |  | 0 |  |  |
| 158 | Costmary |  | 0 |  |  |
| 159 | Cotton |  | 0 |  |  |
| 160 | Cottonwood |  | 0 |  |  |
| 161 | Cowpeas |  | 0 |  |  |
| 162 | Crabapples |  | 0 |  |  |
| 163 | Crambe |  | 0 |  |  |
| 164 | Cranberries |  | 0 |  |  |
| 165 | Cranberry-High |  | 0 |  |  |
| 166 | Crenshaw |  | 0 |  |  |
| 167 | Cress(Garden) |  | 0 |  |  |
| 168 | Cress(Upland) |  | 0 |  |  |
| 169 | Crown Vetch |  | 0 |  |  |
| 170 | Crp Areas |  | 0 |  |  |
| 171 | Cucumbers |  | 2.5 |  |  |
| 172 | Culantro |  | 0 |  |  |
| 173 | Cumin |  | 0 |  |  |
| 174 | Cuphea |  | 0 |  |  |
| 175 | Currants |  | 0 |  |  |
| 176 | Curry Leaf |  | 0 |  |  |
| 177 | Daikon |  | 0 |  |  |
| 178 | Dandelions |  | 0 |  |  |
| 179 | Dates |  | 4 |  |  |
| 180 | Daylily Bulb |  | 0 |  |  |
| 181 | Dewberries |  | 0 |  |  |
| 182 | Dichondra |  | 0 |  |  |
| 183 | Dika Nut |  | 0 |  |  |
| 184 | Dill |  | 0 |  |  |
| 185 | Ditch Banks |  | 0 |  |  |
| 186 | Ditches,Irrig. |  | 0 |  |  |
| 187 | Dock (Sorrel) |  | 0 |  |  |
| 188 | Douglas Fir |  | 0 |  |  |
| 189 | Drain Ditches |  | 0 |  |  |
| 190 | Echium |  | 0 |  |  |
| 191 | Edible Burdock |  | 0 |  |  |
| 192 | Edible Canna |  | 0 |  |  |
| 193 | Eggplant |  | 2 |  |  |
| 194 | Elderberries |  | 0 |  |  |
| 195 | Elegans Hosta |  | 0 |  |  |
| 196 | Endive |  | 0 |  |  |
| 197 | Escarole |  | 0 |  |  |
| 198 | Eschalots, Grn |  | 0 |  |  |
| 199 | Eucalyptus |  | 0 |  |  |
| 200 | Euphorbia |  | 0 |  |  |
| 201 | Fallow Ground |  | 0 |  |  |
| 202 | Fence Rows |  | 0 |  |  |
| 203 | Fennel |  | 0 |  |  |
| 204 | Fennel,Florenc |  | 0 |  |  |
| 205 | Fenugreek |  | 0 |  |  |
| 206 | Fescue |  | 0 |  |  |
| 207 | Fescue, Tall |  | 0 |  |  |
| 208 | Field Borders |  | 0 |  |  |
| 209 | Figs |  | 4.5 |  |  |
| 210 | Filberts |  | 0 |  |  |
| 211 | Flax |  | 0 |  |  |
| 212 | Floral Crops |  | 0 |  |  |
| 213 | Flowering Crab |  | 0 |  |  |
| 214 | Flowers |  | 0 |  |  |
| 215 | Foliage Plants |  | 0 |  |  |
| 216 | Forage Grasses |  | 0 |  |  |
| 217 | Forage Legumes |  | 0 |  |  |
| 218 | Foxtail Millet |  | 0 |  |  |
| 219 | Fritillarybulb |  | 0 |  |  |
| 220 | Fritillaryleaf |  | 0 |  |  |
| 221 | Gai Choy |  | 0 |  |  |
| 222 | Gai Lon |  | 2.8 |  |  |
| 223 | Garbanzo Beans |  | 0 |  |  |
| 224 | Garden Huckle |  | 0 |  |  |
| 225 | Garland |  | 0 |  |  |
| 226 | Garlic |  | 1.7 |  |  |
| 227 | Geraniums |  | 0 |  |  |
| 228 | Germander |  | 0 |  |  |
| 229 | Gherkin |  | 0 |  |  |
| 230 | Giant Reed |  | 0 |  |  |
| 231 | Ginger |  | 0 |  |  |
| 232 | Ginkgo |  | 0 |  |  |
| 233 | Ginseng |  | 0 |  |  |
| 234 | Gladiolus |  | 0 |  |  |
| 235 | Goji Berry |  | 0 |  |  |
| 236 | Goldofpleasure |  | 0 |  |  |
| 237 | Gooseberries |  | 0.5 |  |  |
| 238 | Gourds |  | 0 |  |  |
| 239 | Grainofparadis |  | 0 |  |  |
| 240 | Grapefruit |  | 1.8 |  |  |
| 241 | Grapes (Fresh) |  | 1.5 |  |  |
| 242 | Grapes (Raisn) |  | 1.5 |  |  |
| 243 | Grapes (Wine) |  | 1.5 | grape | woody |
| 244 | Grasses |  | 0 |  |  |
| 245 | Green Ash |  | 0 |  |  |
| 246 | Ground Cherry |  | 0 |  |  |
| 247 | Guar |  | 0 |  |  |
| 248 | Guianachestnut |  | 0 |  |  |
| 249 | Hardy Kiwi |  | 0 |  |  |
| 250 | Haresear Mustd |  | 0 |  |  |
| 251 | Hazelnuts |  | 0 |  |  |
| 252 | Heartnut |  | 0 |  |  |
| 253 | Hemlock,Westrn |  | 0 |  |  |
| 254 | Hibiscus |  | 0 |  |  |
| 255 | Hickory Nuts |  | 0 |  |  |
| 256 | Highways |  | 0 |  |  |
| 257 | Holly |  | 0 |  |  |
| 258 | Honeyballs |  | 0 |  |  |
| 259 | Honeydew Melon |  | 0 |  |  |
| 260 | Honeysuckle |  | 0 |  |  |
| 261 | Hops |  | 0 |  |  |
| 262 | Horehound |  | 0 |  |  |
| 263 | Horsechestnut |  | 0 |  |  |
| 264 | Horseradish |  | 0 |  |  |
| 265 | Huckleberries |  | 0 |  |  |
| 266 | Hyssop |  | 0 |  |  |
| 267 | Indust. Sites |  | 0 |  |  |
| 268 | Iris |  | 0 |  |  |
| 269 | Jack Bean |  | 0 |  |  |
| 270 | Jack Pine |  | 0 |  |  |
| 271 | Jojoba |  | 0 |  |  |
| 272 | Jostaberry |  | 0 |  |  |
| 273 | Juneberry |  | 0 |  |  |
| 274 | Juniper Berry |  | 0 |  |  |
| 275 | Kale |  | 2 |  |  |
| 276 | Kikuyugrass |  | 0 |  |  |
| 277 | Kiwi |  | 0 |  |  |
| 278 | Kohlrabi |  | 2 |  |  |
| 279 | Kudzu |  | 0 |  |  |
| 280 | Kumquats |  | 0 |  |  |
| 281 | Kurrat |  | 0 |  |  |
| 282 | Ladys Leek |  | 0 |  |  |
| 283 | Lakes |  | 0 |  |  |
| 284 | Lavender |  | 0 |  |  |
| 285 | Leafy Amaranth |  | 0 |  |  |
| 286 | Leeks |  | 1.2 |  |  |
| 287 | Lemon Grass |  | 0 |  |  |
| 288 | Lemons |  | 0.5 | lemon | woody |
| 289 | Lentils |  | 0 |  |  |
| 290 | Leren |  | 0 |  |  |
| 291 | Lespedeza |  | 0 |  |  |
| 292 | Lesquerella |  | 0 |  |  |
| 293 | Lettuce (Bibb) |  | 0 | lettuce | annual |
| 294 | Lettuce (Head) |  | 1.3 | lettuce | annual |
| 295 | Lettuce (Leaf) |  | 1.3 | lettuce | annual |
| 296 | Lettuce,Butter |  | 0 | lettuce | annual |
| 297 | Lettuce,Romain |  | 0 | lettuce | annual |
| 298 | Ligustrum |  | 0 |  |  |
| 299 | Lily |  | 0 |  |  |
| 300 | Lily Bulb |  | 0 |  |  |
| 301 | Limes |  | 0.5 |  |  |
| 302 | Lingonberry |  | 0 |  |  |
| 303 | Loblolly Pine |  | 0 |  |  |
| 304 | Loblollyxpitch |  | 0 |  |  |
| 305 | Lodgepole Pine | | 0 |  |  |
| 306 | Loganberries |  | 0 |  |  |
| 307 | Longleaf Pine |  | 0 |  |  |
| 308 | Loquat |  | 0 |  |  |
| 309 | Lovage |  | 0 |  |  |
| 310 | Lunaria |  | 0 |  |  |
| 311 | Lupines |  | 0 |  |  |
| 312 | Lupines,Grain |  | 0 |  |  |
| 313 | Lupines,Sweet |  | 0 |  |  |
| 314 | Lupines,White |  | 0 |  |  |
| 315 | Macadamia Nuts |  | 0 |  |  |
| 316 | Mace |  | 0 |  |  |
| 317 | Mandarin/Orang |  | 0 |  |  |
| 318 | Mango Melon |  | 0.5 |  |  |
| 319 | Marigolds |  | 0 |  |  |
| 320 | Marjoram |  | 0 |  |  |
| 321 | Martynia |  | 0 |  |  |
| 322 | Mayhaws |  | 0 |  |  |
| 323 | Maypop |  | 0 |  |  |
| 324 | Meadowfoam |  | 0 |  |  |
| 325 | Medlar |  | 0 |  |  |
| 326 | Melons |  | 2 |  |  |
| 327 | Mexican Mint |  | 0 |  |  |
| 328 | Milk Vetch |  | 0 |  |  |
| 329 | Milkweed |  | 0 |  |  |
| 330 | Mint |  | 0 |  |  |
| 331 | Miscanthus |  | 0 |  |  |
| 332 | Mizuna |  | 0 |  |  |
| 333 | Mongongo Nut |  | 0 |  |  |
| 334 | Monkey Puzzle |  | 0 |  |  |
| 335 | Monkey-Pot |  | 0 |  |  |
| 336 | Muntries |  | 0 |  |  |
| 337 | Mushrooms |  | 0 |  |  |
| 338 | Muskmelon |  | 0 |  |  |
| 339 | Mustard |  | 0 |  |  |
| 340 | Mustard Greens |  | 2 |  |  |
| 341 | Mustardspinach |  | 0 |  |  |
| 342 | Napa Cabbage |  | 0 |  |  |
| 343 | Napier Grass |  | 0 |  |  |
| 344 | Naranjilla |  | 0 |  |  |
| 345 | Nasturtium |  | 0 |  |  |
| 346 | Native Currant |  | 0 |  |  |
| 347 | Nectarines |  | 1.7 |  |  |
| 348 | Niger |  | 0 |  |  |
| 349 | Non Crop Areas |  | 0 |  |  |
| 350 | Nursery Stock |  | 0 |  |  |
| 351 | Nutmeg |  | 0 |  |  |
| 352 | Oak Trees |  | 0 |  |  |
| 353 | Oats/Fall |  | 0 |  |  |
| 354 | Oats/Spring |  | 0 |  |  |
| 355 | Oats/Winter |  | 0 |  |  |
| 356 | Oil Radish |  | 0 |  |  |
| 357 | Okari Nut |  | 0 |  |  |
| 358 | Okra |  | 0.5 |  |  |
| 359 | Olallie Berry |  | 0 |  |  |
| 360 | Olives |  | 4.5 | olive | woody |
| 361 | Onions (Bunch) |  | 0 |  |  |
| 362 | Onions (Dry) |  | 0 |  |  |
| 363 | Onions (Green) |  | 1.2 |  |  |
| 364 | Onions (Seed) |  | 0 |  |  |
| 365 | Onions,Spanish |  | 0 |  |  |
| 366 | Orach |  | 0 |  |  |
| 367 | Oranges (Navel |  | 1.7 | orange | woody |
| 368 | Oranges (Sour) |  | 1.7 | orange | woody |
| 369 | Oranges(Sweet) |  | 1.7 | orange | woody |
| 370 | Oranges(Valen) |  | 1.7 | orange | woody |
| 371 | Orchard Grass |  | 0 |  |  |
| 372 | Oregano |  | 0 |  |  |
| 373 | Oriental Pears |  | 0 |  |  |
| 374 | Ornamentals |  | 0 |  |  |
| 375 | Pachira Nut |  | 0 |  |  |
| 376 | Parsley |  | 0 |  |  |
| 377 | Parsley-Root |  | 0 |  |  |
| 378 | Parsnips |  | 0.5 |  |  |
| 379 | Paspalum |  | 0 |  |  |
| 380 | Pastures |  | 0 |  |  |
| 381 | Patchouli |  | 0 |  |  |
| 382 | Peach Palm Nut |  | 0 |  |  |
| 383 | Peaches |  | 1.7 | peach | woody |
| 384 | Peanuts |  | 0 |  |  |
| 385 | Pearl Millet |  | 0 |  |  |
| 386 | Pears |  | 0.5 |  |  |
| 387 | Peas (Blck-Eye |  | 4.5 |  |  |
| 388 | Peas (Dried) |  | 4.5 |  |  |
| 389 | Peas (Garden) |  | 4.5 |  |  |
| 390 | Peas (Green) |  | 4.5 |  |  |
| 391 | Peas (Process) |  | 4.5 |  |  |
| 392 | Pecans |  | 2 |  |  |
| 393 | Pennyroyal |  | 0 |  |  |
| 394 | Pepino |  | 0 |  |  |
| 395 | Peppermint |  | 0 |  |  |
| 396 | Peppers (Bell) |  | 1.5 |  |  |
| 397 | Peppers, Chile |  | 0 |  |  |
| 398 | Peppers-No Bel |  | 0 |  |  |
| 399 | Pequi |  | 0 |  |  |
| 400 | Persian Melons |  | 0 |  |  |
| 401 | Persimmons |  | 0.5 |  |  |
| 402 | Petunia |  | 0 |  |  |
| 403 | Pigeon Pea |  | 0 |  |  |
| 404 | Pili Nut |  | 0 |  |  |
| 405 | Pimentos |  | 1.5 |  |  |
| 406 | Pine Nut |  | 0 |  |  |
| 407 | Pine Trees |  | 0 |  |  |
| 408 | Pineapple |  | 0 |  |  |
| 409 | Pistachio |  | 8.4 | pistachio | woody |
| 410 | Pitch Pine |  | 0 |  |  |
| 411 | Plumcot |  | 0 |  |  |
| 412 | Plums |  | 1.5 |  |  |
| 413 | Poinsettias |  | 0 |  |  |
| 414 | Pomegranates |  | 4.5 |  |  |
| 415 | Ponderosa Pine |  | 0 |  |  |
| 416 | Ponds |  | 0 |  |  |
| 417 | Poplars |  | 0 |  |  |
| 418 | Poppy Seed |  | 0 |  |  |
| 419 | Poppy Seed |  | 0 |  |  |
| 420 | Potatoes |  | 1.7 |  |  |
| 421 | Primrose, Eve |  | 0 |  |  |
| 422 | Proso Millet |  | 0 |  |  |
| 423 | Prunes |  | 1.5 |  |  |
| 424 | Pummelo |  | 0 |  |  |
| 425 | Pumpkins |  | 2 |  |  |
| 426 | Purslane(Grdn) |  | 0 |  |  |
| 427 | Purslane(Wntr) |  | 0 |  |  |
| 428 | Pyracantha |  | 0 |  |  |
| 429 | Quince |  | 0.5 |  |  |
| 430 | Quince,Chinese |  | 0.5 |  |  |
| 431 | Quince,Japanes |  | 0.5 |  |  |
| 432 | Quinoa |  | 0 |  |  |
| 433 | Radicchio |  | 0 |  |  |
| 434 | Radishes |  | 1.2 |  |  |
| 435 | Rangeland |  | 0 |  |  |
| 436 | Rape |  | 0 |  |  |
| 437 | Rape Greens |  | 0 |  |  |
| 438 | Rapeseed |  | 0 |  |  |
| 439 | Rapini |  | 0 |  |  |
| 440 | Raspberries |  | 0.5 |  |  |
| 441 | Red Currant |  | 0 |  |  |
| 442 | Red Fir |  | 0 |  |  |
| 443 | Red Spruce |  | 0 |  |  |
| 444 | Redwood |  | 0 |  |  |
| 445 | Reservoir |  | 0 |  |  |
| 446 | Rhododendrons |  | 0 |  |  |
| 447 | Rhubarb |  | 0 |  |  |
| 448 | Rice |  | 0 |  |  |
| 449 | Rights-Of-Way |  | 0 |  |  |
| 450 | Roads |  | 0 |  |  |
| 451 | Roquette |  | 0 |  |  |
| 452 | Rose Hip |  | 0 |  |  |
| 453 | Roselle |  | 0 |  |  |
| 454 | Rosemary |  | 0 |  |  |
| 455 | Roses |  | 0 |  |  |
| 456 | Rue |  | 0 |  |  |
| 457 | Rutabagas |  | 2 |  |  |
| 458 | Rye |  | 0 |  |  |
| 459 | Ryegrass |  | 0 |  |  |
| 460 | Safflower |  | 0 |  |  |
| 461 | Saffron |  | 0 |  |  |
| 462 | Sage |  | 0 |  |  |
| 463 | Sainfoin |  | 0 |  |  |
| 464 | Salal |  | 0 |  |  |
| 465 | Salsify (Root) |  | 0 |  |  |
| 466 | Salsify (Top) |  | 0 |  |  |
| 467 | Sapucaia Nut |  | 0 |  |  |
| 468 | Sats Mandarin |  | 0 |  |  |
| 469 | Savory |  | 0 |  |  |
| 470 | Schisandraberr |  | 0 |  |  |
| 471 | Sea Buckthorn |  | 0 |  |  |
| 472 | Sesame |  | 0 |  |  |
| 473 | Shallots |  | 1.2 |  |  |
| 474 | Shelter Belt |  | 0 |  |  |
| 475 | Shortleaf Pine |  | 0 |  |  |
| 476 | Shrubs |  | 0 |  |  |
| 477 | Skirret |  | 0 |  |  |
| 478 | Slash Pine |  | 0 |  |  |
| 479 | Sorghum/Grain |  | 0 |  |  |
| 480 | Sorghum/Milo |  | 0 |  |  |
| 481 | Sorghum-Sudan |  | 0 |  |  |
| 482 | Southern Pine |  | 0 |  |  |
| 483 | Soybeans |  | 0 |  |  |
| 484 | Spearmint |  | 0 |  |  |
| 485 | Spinach |  | 2 |  |  |
| 486 | Spinach (Vine) |  | 2 |  |  |
| 487 | Spinch(N Zelnd |  | 2 |  |  |
| 488 | Squash (Summer) |  | 4.7 |  |  |
| 489 | Squash (Winter) |  | 4.7 |  |  |
| 490 | St. Augustine |  | 0 |  |  |
| 491 | Star Anise |  | 0 |  |  |
| 492 | Stevia |  | 0 |  |  |
| 493 | Storage Areas |  | 0 |  |  |
| 494 | Stored Grains |  | 0 |  |  |
| 495 | Stored Prods |  | 0 |  |  |
| 496 | Strawberries |  | 1 |  |  |
| 497 | Sudan Grass |  | 0 |  |  |
| 498 | Sugar Beets | 7 | 0 |  |  |
| 499 | Sugar Cane |  | 0 |  |  |
| 500 | Sugar Pine |  | 0 |  |  |
| 501 | Sunberry |  | 0 |  |  |
| 502 | Sunflowers |  | 0 |  |  |
| 503 | Sunn Hemp |  | 0 |  |  |
| 504 | Sweet Bay |  | 0 |  |  |
| 505 | Sweet Potatoes |  | 0 |  |  |
| 506 | Sweet Rocket |  | 0 |  |  |
| 507 | Sweet Sorghum |  | 0 |  |  |
| 508 | Sweetgum |  | 0 |  |  |
| 509 | Swiss Chard |  | 7 |  |  |
| 510 | Switchgrass |  | 0 |  |  |
| 511 | Tallowtree |  | 0 |  |  |
| 512 | Tallowwood |  | 0 |  |  |
| 513 | Tampala |  | 0 |  |  |
| 514 | Tangelos |  | 0.5 |  |  |
| 515 | Tangerines |  | 0.5 |  |  |
| 516 | Tangors |  | 0 |  |  |
| 517 | Tanier |  | 0 |  |  |
| 518 | Tansy |  | 0 |  |  |
| 519 | Taro |  | 0 |  |  |
| 520 | Tarragon |  | 0 |  |  |
| 521 | Tea Oil Plant |  | 0 |  |  |
| 522 | Teff |  | 0 |  |  |
| 523 | Tejocote |  | 0 |  |  |
| 524 | Teosinte |  | 0 |  |  |
| 525 | Thyme |  | 0 |  |  |
| 526 | Timothy Grass |  | 0 |  |  |
| 527 | Tobacco |  | 0 |  |  |
| 528 | Tomatillos |  | 0 |  |  |
| 529 | Tomato Seeded |  | 0 |  |  |
| 530 | Tomato Trsplt |  | 0 |  |  |
| 531 | Tomatoes (Fresh) |  | 2.5 |  |  |
| 532 | Trees,Ornament |  | 0 |  |  |
| 533 | Trefoil |  | 0 |  |  |
| 534 | Trefoil,Brdsft |  | 0 |  |  |
| 535 | Triticale |  | 0 |  |  |
| 536 | Tropicalalmond |  | 0 |  |  |
| 537 | Turfgrass |  | 0 |  |  |
| 538 | Turmeric |  | 0 |  |  |
| 539 | Turnip Greens |  | 0 |  |  |
| 540 | Turnips |  | 0.9 |  |  |
| 541 | Turnips (Root) |  | 0.9 |  |  |
| 542 | Vanilla |  | 0 |  |  |
| 543 | Vehicles |  | 0 |  |  |
| 544 | Velvet Beans |  | 0 |  |  |
| 545 | Vernonia |  | 0 |  |  |
| 546 | Vetch |  | 0 |  |  |
| 547 | Virginia Pine |  | 0 |  |  |
| 548 | Walnuts (Blck) |  | 1.5 |  |  |
| 549 | Walnuts (Engl) |  | 1.5 |  |  |
| 550 | Wasabi |  | 0 |  |  |
| 551 | Watercress |  | 0 |  |  |
| 552 | Watermelons |  | 2 |  |  |
| 553 | Wheat (Durum) |  | 0 |  |  |
| 554 | Wheat (Fall) |  | 0 |  |  |
| 555 | Wheat (Spring) |  | 0 |  |  |
| 556 | Wheat (Winter) |  | 0 |  |  |
| 557 | White Fir |  | 0 |  |  |
| 558 | White Pepper |  | 0 |  |  |
| 559 | White Pine |  | 0 |  |  |
| 560 | White Spruce |  | 0 |  |  |
| 561 | Wild Rice |  | 0 |  |  |
| 562 | Willow Trees |  | 0 |  |  |
| 563 | Wintergreen |  | 0 |  |  |
| 564 | Woodruff |  | 0 |  |  |
| 565 | Wormwood |  | 0 |  |  |
| 566 | Yam Beans |  | 0 |  |  |
| 567 | Yams |  | 0 |  |  |
| 568 | Yellowhorn |  | 0 |  |  |
| 569 | Youngberries |  | 0 |  |  |
| 570 | Zoysia Grass |  | 0 |  |  |
| 571 | Bananas |  | 0 |  |  |
| 572 | Beans (Sprout) |  | 0 |  |  |
| 573 | Cabbage (Chinese) |  | 0.9 |  |  |
| 574 | Cherimoya |  | 0.5 |  |  |
| 575 | Onions (General) |  | 1.2 |  |  |
| 576 | Squash (Zucchini) |  | 4.7 |  |  |
| 1096 | Tomatoes (Processing) |  | 2.5 | tomato | annual |
| 1097 | Turnips (Forage) |  | 0.9 |  |  |
| 1200 | Culinary Herbs |  | 0 |  |  |
| 9999 | Non-Reported Area |  |  |  |  |

## Irrigation Power Source

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | value | SortOrder | PE\_Coefficient | per\_hp | btu\_Equivalent |
| 1 | Electric | 1 | 0.85 | 0.746 | 3412 |
| 2 | Diesel | 2 | 0.3 | 0.062 | 138690 |
| 3 | Propane | 3 | 0.2 | 0.093 | 91048 |
| 4 | Other | 4 | 0 | 0 | 0 |

## Crop Maturity

|  |  |
| --- | --- |
| id | value |
| 1 | Harvested or Tilled Before Flowering (Younger) |
| 2 | Harvested or Tilled Before Flowering (Older) |
| 3 | Harvested or Tilled After Flowering |

## Product List

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Firm\_\_Compost\_Type | Product | Sort\_Order | N | P2O5 | K20 | wetdry | product\_type | source | Unit\_Energy | N\_Energy | P\_Energy | K\_Energy |
| 279 |  | (1.75% S) 19-3-7 | 1.2 | 19.00 | 3.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 475 | VERDEGAAL BROTHERS INC | 10-0-0 PLUS 16% SULFUR 10/49 UREA- SULFUIC ACID FERTILIZER | 2 | 10.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 212 | HELENA CHEMICAL CO | 16-4-4 | 3 | 16.00 | 4.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 213 | HELENA CHEMICAL CO | 16-8-8 | 4 | 16.00 | 8.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 208 | HELENA CHEMICAL CO | 21-0-0 | 5 | 21.00 | 0.00 | 0.00 |  | Synthetic |  | 3568.393858 | 21006.231797 | 712.793085 | 2493.576431 |
| 467 | UF GRANULAR FERTILIZER LLC | 38-0-0 FERTILIZER | 6 | 38.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 466 | UF GRANULAR FERTILIZER LLC | 39-0-0 FERTILIZER | 7 | 39.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 468 | UF GRANULAR FERTILIZER LLC | 40-0-0 FERTILIZER | 8 | 40.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 209 | HELENA CHEMICAL CO | 46-0-0 | 9 | 46.00 | 0.00 | 0.00 |  | Synthetic |  | 11393.064728 | 21006.231797 | 712.793085 | 2493.576431 |
| 401 | STOLLER ENTERPRISES INC | 6-Iron Plus 6-0-0 | 10 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 474 | VERDEGAAL BROTHERS INC | 7.5-26-0 PLUS 8% SULFUR | 11 | 7.50 | 26.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 8 | ACADIAN AGRITECH | ACADIAN 100% LIQUID SEAWEED CONCENTRATE 0.3-0.0-5.0 | 12 | 0.30 | 0.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 9 | ACADIAN AGRITECH | ACADIAN MARINE PLANT EXTRACT POWDER 1.0-1.0-17.0 | 13 | 1.00 | 1.00 | 17.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 7 | ACADIAN AGRITECH | Acadian Organic Marine Plant Extract Powder 1-1-17 | 14 | 1.00 | 1.00 | 17.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 374 | SOURCE TO SOURCE A TAP FAMILY COMPANY | AG UNLIMITED 4-1-1 PREMIUM LIQUID FERTILIZER % MICRONUTRIENT BLEND | 15 | 4.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 517 | Non-composted dairy/steer | Aged Dairy separator solids | 16 | 2.05 | 0.65 | 0.40 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 514 | Non-Composted Poultry | Aged layer | 17 | 2.15 | 8.20 | 3.95 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 518 | Non-composted dairy/steer | Aged steer corral scrapings | 18 | 1.30 | 1.55 | 3.30 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | AGRI TREND LLC | AGRI TREND SOLUBLE 12-26-26 | 19 | 12.00 | 26.00 | 26.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 191 | GREEN ACRES INTNL LLC | AgriPower 9-3-14 | 20 | 9.00 | 3.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 144 | ECOVERDANCE INC | AGRISURGE 3-0-3 | 21 | 3.00 | 0.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 143 | ECOTECH LLC | AGROSTIM FVO 8.6-2.2-4.55 (0.043% Ammoniacal Nitrogen, 0.007% Nitrate Nitrogen, 530% Water Soluble Organic Nitrogen, 3.25% Water Insoluble Nitrogen) | 22 | 8.60 | 2.20 | 4.55 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 42 | AGROTHRIVE INC | AGROTHRIVE LF 2.5-2.5-1.5 | 23 | 2.50 | 2.50 | 1.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 43 | AGROTHRIVE INC | AGROTHRIVE TD 8-2-1.5 | 24 | 8.00 | 2.00 | 1.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 122 | COSMO SEIWA AGRICULTURE CO | ALA GRO 9.5-0-0 | 25 | 9.50 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 123 | COSMO SEIWA AGRICULTURE CO | ALA GROW 6-10-4 | 26 | 6.00 | 10.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 124 | COSMO SEIWA AGRICULTURE CO | ALA GROW 8-5-3 | 27 | 8.00 | 5.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 329 | NUTRIAG | ALEXIN 0-0-8 | 28 | 0.00 | 0.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 526 | Bulky Organic Materials | Alfafa hay | 29 | 2.50 | 0.50 | 2.10 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 532 | Concentrated Organic Materials | Alfafa meal | 30 | 3.00 | 1.00 | 3.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 337 | OHRSTROM P B AND SONS INC | Algamin XT 0.3-0-7 | 31 | 0.30 | 0.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 378 | SQM NORTH AMERICA CORP | Allganic Nitrogen - Crystalline 16-0-0 | 32 | 16.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 379 | SQM NORTH AMERICA CORP | Allganic Nitrogen - Prilled 16-0-0 | 33 | 16.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 380 | SQM NORTH AMERICA CORP | ALLGANIC NITROGEN NATURAL NITRATE OF SODA CYSTALLINE 16-0-0 | 34 | 16.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 381 | SQM NORTH AMERICA CORP | ALLGANIC NITROGEN NATURAL NITRATE OF SODA PRILLED 16-0-0 | 35 | 16.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 386 | SQM NORTH AMERICA CORP | ALLGANIC POTASSIUM 0-0-51 (+17S) | 36 | 0.00 | 0.00 | 51.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 377 | SQM NORTH AMERICA CORP | Allganic Potassium 0-0-52 | 37 | 0.00 | 0.00 | 52.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 387 | SQM NORTH AMERICA CORP | ALLGANIC POTASSIUM 0-0-52 (+18S) | 38 | 0.00 | 0.00 | 52.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 388 | SQM NORTH AMERICA CORP | ALLGANIC SPECIAL 12-0-12 | 39 | 12.00 | 0.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 346 | ORICA CANADA INC | AMMONIUM NITRATE 34-0-0 | 40 | 34.00 | 0.00 | 0.00 |  | Synthetic |  | 7351.751202 | 21006.231797 | 712.793085 | 2493.576431 |
| 145 | EL DORADO CHEMICAL CO | AMMONIUM NITRATE FERTILIZER 34-0-0 | 41 | 34.00 | 0.00 | 0.00 |  | Synthetic |  | 7351.751202 | 21006.231797 | 712.793085 | 2493.576431 |
| 435 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | ANDERSONS GOLD PRODUCTS TURF FERTILIZER 28-0-10 | 42 | 28.00 | 0.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 456 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | ANDERSONS GOLF PRODUCT FERTILIZER 0-0-28 WITH BARRICADE HERBICIDE | 43 | 0.00 | 0.00 | 28.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 447 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | Andersons Golf Products 14-0-14 Fertilizer with Dimension | 44 | 14.00 | 0.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 446 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | Andersons Golf Products Fertilizer 19-0-19 with Barricade Herbicide | 45 | 19.00 | 0.00 | 19.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 451 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | Andersons Golf products Fertilizer with 0.25% Dimension Turf Herbicide (19-0-19) | 46 | 19.00 | 0.00 | 19.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 450 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | Andersons Golf Products Turf Fertilizer 14-0-14 with MERIT Insecticide | 47 | 14.00 | 0.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 443 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | ANDERSONS GOLF PRODUCTS TURF FERTILIZER 16-4-8 | 48 | 16.00 | 4.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 444 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | ANDERSONS TURF FERTILIZER 8-8-8 | 49 | 8.00 | 8.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 249 | J R SIMPLOT CO | APEX NPK 13-13-13 | 50 | 13.00 | 13.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 248 | J R SIMPLOT CO | APEX NPK PLUS 22-6-12 | 51 | 22.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 12 | ADVANCED PLANT NUTRITION LLC | APN FRUIT 15-0-9 | 52 | 15.00 | 0.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 554 | DM | APP 10-34-0 | 52.1 | 10 | 34 | 0 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 257 | JH BIOTECH INC | AQUA POWER 3-1-1 | 53 | 3.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 63 | ARCHIPELAGO BAT GUANO LLC | ARCHIPELAGO BAT GUANO LLC NATURAL ORGANIC PHOSPHATE FERTILIZER 0-7-0 (17% Ca, 3% Fe, 0.5% Mn, 0.1% Na, 0.15% Zn) | 54 | 0.00 | 7.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 541 | Concentrated Organic Materials | Bat guano | 55 | 13.00 | 5.00 | 2.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 527 | Bulky Organic Materials | Bean straw | 56 | 1.20 | 0.25 | 1.25 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 22 | AGRIUM ADVANCED TECH (US) INC | BERRY SELECT CONTROLLED RELEASE FERTILIZER 18-6-12 | 57 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 24 | AGRIUM ADVANCED TECH (US) INC | BERRY SELECT CONTROLLED RELEASE FERTILIZER 22-7-10 | 58 | 22.00 | 7.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 23 | AGRIUM ADVANCED TECH (US) INC | BERRY SELECT CONTROLLED-RELEASE FERTILZIER 18-8-13 | 59 | 18.00 | 8.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 251 | J R SIMPLOT CO | BEST AUTUMN K 22-4-2 WITH POLYON 44 | 60 | 22.00 | 4.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 255 | J R SIMPLOT CO | BEST BEST-PAKS 20-10-5 | 61 | 20.00 | 10.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 252 | J R SIMPLOT CO | BEST BESTPHOS 11-55-0 MICRO-PELLETS | 62 | 11.00 | 55.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 240 | J R SIMPLOT CO | BEST FAIRWAY GOLD 24-3-9 WITH POLYON AND X-COTE | 63 | 24.00 | 3.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 38 | AGRO-K CORPORATION | Bio-Mulch 7-0-0 | 71 | 7.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 39 | AGRO-K CORPORATION | Bio-Mulch 7.5-0-0 | 70 | 7.50 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 546 | Generic | Biochar | 64 | 0.92 | 0.24 | 2.5 |  | Organic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 188 | GLOBAL ORGANICS LLC | BIOFLORA CHICKEN NUGGETS 4-6-3 + 6% Ca | 65 | 4.00 | 6.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 189 | GLOBAL ORGANICS LLC | BIOFLORA CHICKEN NUGGETS 4-6-3 + 8% Ca (8.00% Ca) | 66 | 4.00 | 6.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 402 | STOLLER ENTERPRISES INC | BIOFORGE-ST 2-0-3 | 67 | 2.00 | 0.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 76 | BECKER-UNDERWOOD INC | BIOGAIN WSP (12% Soluble Potash, 40% Humic Acids) 0-0-12 | 68 | 0.00 | 0.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 256 | JH BIOTECH INC | BIOMIN IRON POWDER 5-0-0 | 69 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 101 | BIOWISH TECHNOLOGIES INC | BioWish-Crop 3-4-0 | 72 | 3.00 | 4.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 100 | BIOWISH TECHNOLOGIES INC | Biowish-Hydroponic 3-4-0 | 73 | 3.00 | 4.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 102 | BLACK EARTH HUMIC LP | BLACK EARTH DRY SOLUBLE 80 0-9-14 | 74 | 0.00 | 9.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 534 | Concentrated Organic Materials | Blood meal | 75 | 14.00 | 2.00 | 1.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 535 | Concentrated Organic Materials | Bone meal | 76 | 2.00 | 14.00 | 0.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 59 | AMERICAN AGRITECH | BONTANICARE POWER FLOWER ADVANCED BIO-ORGANIC PLANT FOOD 2-2-5 BLOOM (1% Ca, O.5% Mg) | 77 | 2.00 | 2.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 57 | AMERICAN AGRITECH | BOTANICARE HYDROPLEX FRUIT, FLOWER AND BLOOM ENHANCER 0.5-4-10 (0.5% Mg, 0.5% Humic Acid) | 78 | 0.50 | 4.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 56 | AMERICAN AGRITECH | BOTANICARE POWER PLANT ADVANCED BIO-ORGANIC PLANT FOOD 3-1-4 GROW (1% Ca, 0.5% Mg) | 79 | 3.00 | 1.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 58 | AMERICAN AGRITECH | BOTANICARE PURE BLEND PRO HYDRO-ORGANIC FRUIT AND FLOWER FORMULA 1.5-4-5 (1% Ca, 0.5% Mg, 7% Humic Acid) | 80 | 1.50 | 4.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 60 | AMERICAN AGRITECH | BOTANICARE TRIFLEX GROW 2-1-4 (2% Ca, 0.5% Mg) | 81 | 2.00 | 1.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 519 | Composts | Brioler/rice hull compost | 82 | 1.90 | 4.30 | 2.50 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 92 | BIO TECH NUTRIENTS LLC | BTN + 5-4-4 PLUS 3 SULFUR | 83 | 5.00 | 4.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 200 | GROWTH PRODUCTS LTD | CAL-TECH 9% CALCIUM GLUCOHEPTONATE COMPLEXED 6-0-0 | 84 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 149 | FBS FLORATINE BIOSCIENCES INC | CARBON HEART-F 18-0-0 | 85 | 18.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 384 | SQM NORTH AMERICA CORP | CHAMPION GREENHOUSE GRADE CRYSTALLINE 13.75-0-46 | 86 | 13.75 | 0.00 | 46.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 382 | SQM NORTH AMERICA CORP | CHAMPION POTASSIUM NITRATE 13.5-0-44 | 87 | 13.50 | 0.00 | 44.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 253 | J R SIMPLOT CO | Che-Plex Copper 5% 5-0-0 | 88 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 335 | NUTRIENTS PLUS LLC | Clarus PRO Turn Her Green 12-4-6 | 89 | 12.00 | 4.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 464 | TULARE AG PRODUCTS | COMOL 513 0-5-0 | 90 | 0.00 | 5.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 121 | CONVERTED ORGANICS OF WOODBRIDGE LLC | Converted Organics 4-1-8 | 91 | 4.00 | 1.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 117 | CONVERTED ORGANICS OF CA LLC | Converted Organics 521 4.5-2-1 | 92 | 4.50 | 2.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 120 | CONVERTED ORGANICS OF WOODBRIDGE | Converted Organics 8-1-4 | 93 | 8.00 | 1.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 119 | CONVERTED ORGANICS OF CA LLC | Converted Organics GP 321 2.8-1.5-1 | 94 | 2.80 | 1.50 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 118 | CONVERTED ORGANICS OF CA LLC | Converted Organics XK 2-2-4 | 95 | 2.00 | 2.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 210 | HELENA CHEMICAL CO | CORON 18-2-4 TURF AND HORTICULTURAL FERTILIZER | 96 | 18.00 | 2.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 214 | HELENA CHEMICAL CO | CORON 25-0-0 PLUS 0.5% FE (CONTROLLED RELEASE LIQUID TEE & GREEN AND HORTICUTURAL FERTILIZERWITH CHELATED IRON | 97 | 25.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 529 | Bulky Organic Materials | Cotton gin trash | 98 | 1.65 | 0.55 | 1.90 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 533 | Concentrated Organic Materials | Cottonseed meal | 99 | 7.00 | 3.00 | 2.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 282 | LOBOCHEM LLC | CRYSTAL GREEN 8-30-2 | 100 | 8.00 | 30.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 544 | CUSTOM | Custom Blend | 1 | 0 | 0 | 0 | as received | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 545 | CUSTOM | Custom Blend | 1.1 | 0 | 0 | 0 | as received | Organic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 246 | J R SIMPLOT CO | CUSTOM PAKS CONTROLLED RELEASE FERTILIZER PLANTER PACKETS 38-0-0 | 101 | 38.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 245 | J R SIMPLOT CO | CUSTOM PAKS CONTROLLED RELEASE FERTILIZER PLANTER PACKETS 40-0-0 | 102 | 40.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 268 | KWS DISTRIBUTING, LLC | CYTO-KELP 1-0.5-17 | 103 | 1.00 | 0.50 | 17.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 520 | Composts | Dairy | 104 | 1.35 | 1.35 | 2.85 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 521 | Composts | Dairy/gin trash | 105 | 1.55 | 1.10 | 2.85 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 523 | Composts | Dairy/poultry | 106 | 1.70 | 1.95 | 3.30 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 522 | Composts | Dairy/steer | 107 | 1.65 | 0.85 | 2.55 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 134 | DAKOTA MINERALS INC | DAKOTA MINERALS INC WATER SOLUBLE 16-14-14 PLANTS FOOD (9.56% S, 0.04% Humic acids derived from leonardite) | 108 | 16.00 | 14.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 133 | DAKOTA MINERALS INC | DAKOTA MINERALS INC WATER SOLUBLE 23-4-3 PLANTS FOOD (0.10% Fe, 0.04% Humic acids derived from leonardite) | 109 | 23.00 | 4.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 131 | DAKOTA MINERALS INC | DAKOTA MINERALS INC WATER SOLUBLE 9-33-5 PLANTS FOOD (0.10% Fe, 0.05% Zn, 0.128% Humic acids derived from leonardite) | 110 | 9.00 | 33.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 136 | DP FOODS LLC | DANIELS ORNAMENTAL LANDSCAPE 10-4-4 | 111 | 10.00 | 4.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 135 | DP FOODS LLC | DANIELS PINNACLE 3-1-1 | 112 | 3.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 137 | DP FOODS LLC | DANIELS PROFESSIONAL PLANT FOOD 10-4-3 | 113 | 10.00 | 4.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 553 | DM | DAP 18-46-0 | 114 | 18 | 46 | 0 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 132 | DAKOTA MINERALS INC | DARK MATTERS GRANULAR 7-0-0 (0.94% Fe, 0.90% Humic Acids derived from Leonardite) | 115 | 7.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 41 | AGROPLANTAE INC | DESAL 5-0-0 | 116 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 113 | CALTEC AGRI MARKETING SERVICES | Dominate 19-0-1 | 117 | 19.00 | 0.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 439 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | DUPONT ACELEPRYN INSECTICDE WITH THE ANDERSONS TURF PRODUCTS FERTILIZER 15-0-4 | 118 | 15.00 | 0.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 434 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | DUPONT ACELEPRYN INSECTICIDE WITH ANDERSONS GOLF PRODUCTS FERTILIZER 0-0-5 | 119 | 0.00 | 0.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 440 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | DUPONT ACELEPRYN INSECTICIDE WITH ANDERSONS GOLF PRODUCTS FERTILIZER 14-0-14 | 120 | 14.00 | 0.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 441 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | DUPONT ACELEPRYN INSECTICIDE WITH THE ANDERSONS TURF PRODUCTS FERTIIZER 0-0-7 | 121 | 0.00 | 0.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 442 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | DUPONT ACELEPRYN INSECTICIDE WITH THE ANDERSONS TURF PRODUCTS FERTILIZER 22-0-7 | 122 | 22.00 | 0.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 477 | WESTBRIDGE | EarthTrend All-Purpose Blend 8-8-8 | 123 | 8.00 | 8.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 479 | WESTBRIDGE | EarthTrend Amino Blend 10-0-0 | 124 | 10.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 478 | WESTBRIDGE | EarthTrend Flowering Blend 4-6-0 | 125 | 4.00 | 6.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 142 | ECOSTADT TECHNOLOGIES LLC | ECOMAX 6-1-2 COMMERCIAL | 126 | 6.00 | 1.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 146 | ENCINA WASTEWATER AUTHORITY | ENCINA BIOSOLIDS PELLETS 5.7-7.4-0 | 127 | 5.70 | 7.40 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 348 | ORO AGRI INC | ENCOURAGE 2.0-1.0-2.0 | 128 | 2.00 | 1.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 260 | JH BIOTECH INC | ENDURANCE 15-2-15 | 129 | 15.00 | 2.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 261 | JH BIOTECH INC | ENDURANCE 18-3-6 | 130 | 18.00 | 3.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 259 | JH BIOTECH INC | ENDURANCE 20-3-3 | 131 | 20.00 | 3.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 258 | JH BIOTECH INC | ENDURANCE 30-0-0 | 132 | 30.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 262 | JH BIOTECH INC | ENDURANCE IRON 6 15-0-0 | 133 | 15.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 486 | WESTERN FARM SERVICE INC | ESP- PLUS ENHANCED SOLUBLE POTASH 1-0-8 SOLUTION | 134 | 1.00 | 0.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 140 | EARTHWORKS SOIL AMENDMENTS | ESTABLISH 1-1.3-6.3 (16% Ca, 1.5% S, 0.75% Fe, 0.06% Mn) | 135 | 1.00 | 1.30 | 6.30 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 5 | 3 TIER TECHNOLOGIES LLC | Establish 5-16-12 | 136 | 5.00 | 16.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 10 | ACADIAN SEAPLANTS LIMITED | EXCITE SEAWEED SOLUBLE SEAWEED EXTRACT POWDER 1-1-17 | 137 | 1.00 | 1.00 | 17.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 115 | CONKLIN, AGROVANTAGE DIVISION | FEAST MICRO MASTER 4.5% IRON HEDTA FORMULA 5-0-0 | 138 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 114 | CONKLIN, AGROVANTAGE DIVISION | FEAST MICRO MASTER 7.5% COPER EDTA FORMULA 8-0-0 | 139 | 8.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 540 | Concentrated Organic Materials | Feather meal | 140 | 12.00 | 0.00 | 0.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 318 | MONTEREY AG RESOURCES | FERRONITE 15-0-0 (3.5% S, 6.0% Fe) | 141 | 15.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 196 | GROW TECH | FERTI-PLUS 0-37-37 | 142 | 0.00 | 37.00 | 37.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 198 | GROW TECH | FERTI-PLUS 12-26-26 | 143 | 12.00 | 26.00 | 26.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 197 | GROW TECH | FERTI-PLUS 20-20-20 | 144 | 20.00 | 20.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 199 | GROW TECH | FERTI-PLUS 6-30-30 | 145 | 6.00 | 30.00 | 30.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 36 | AGRO CULTURE LIQUID FERTILIZERS | FERTI-RAIN 12-3-3 | 146 | 12.00 | 3.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 108 | BWF BANDUCCI INC | Fire Five 5-2-1 | 147 | 5.00 | 2.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 292 | LOVELAND PRODUCTS INC | FIRST CHOICE 14-4-9 SUPER PALM | 148 | 14.00 | 4.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 300 | LOVELAND PRODUCTS INC | FIRST CHOICE CARBO-BOOST 2-15-15 | 149 | 2.00 | 15.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 287 | LOVELAND PRODUCTS INC | FIRST CHOICE CHASER 12-0-0 | 150 | 12.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 301 | LOVELAND PRODUCTS INC | FIRST CHOICE N PHOURSE 42 15-42\*-0 | 151 | 15.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 298 | LOVELAND PRODUCTS INC | FIRST CHOICE TOPDESS HIGH IRON 20-5-5 | 152 | 20.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 538 | Concentrated Organic Materials | Fish emulsion | 153 | 6.00 | 2.00 | 2.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 537 | Concentrated Organic Materials | Fish meal | 154 | 12.00 | 8.00 | 4.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 153 | FLORATINE PRODUCTS GROUP | Floradox Pro 2-2-3 | 155 | 2.00 | 2.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 151 | FLORATINE PRODUCTS GROUP | FLORADOX STABILIZER 0-4-6 | 156 | 0.00 | 4.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 163 | FLORIKAN E S A CORPORATION | FLORIKAN 12-0-39 FLORIKOTE POLYMER COATED POTASSIUM NITRATE | 157 | 12.00 | 0.00 | 39.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 162 | FLORIKAN E S A CORPORATION | FLORIKAN 12-0-40 FLORIKOTE POLYMER COATED POTASSIUM NTIRATE | 158 | 12.00 | 0.00 | 40.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 161 | FLORIKAN E S A CORPORATION | FLORIKAN 12-0-42 FLORIKOTE POLYMER COATED POTASSIUM NITRATE | 159 | 12.00 | 0.00 | 42.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 171 | FLORIKAN E S A CORPORATION | FLORIKAN 14-14-4 FLORIKOTE NPK | 160 | 14.00 | 14.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 172 | FLORIKAN E S A CORPORATION | FLORIKAN 14-5-14 FLORIKOTE ADVANTAGE | 161 | 14.00 | 5.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 173 | FLORIKAN E S A CORPORATION | FLORIKAN 15-5-15 FLORIKOTE PLUS (GREENHOUSE BASKETS WITH COATED MICROS) | 162 | 15.00 | 5.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 174 | FLORIKAN E S A CORPORATION | FLORIKAN 15-5-15 FLORIKOTE PLUS (GREENHOUSE COLOR WITH COATED MICROS) | 163 | 15.00 | 5.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 170 | FLORIKAN E S A CORPORATION | FLORIKAN 18-6-12 FLORIKOTE NPK | 164 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 164 | FLORIKAN E S A CORPORATION | FLORIKAN 19-6-13 FLORIKOTE NPK MINI | 165 | 19.00 | 6.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 169 | FLORIKAN E S A CORPORATION | FLORIKAN 20-4-9 FLORIKOTE ADVANTAGE | 166 | 20.00 | 4.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 168 | FLORIKAN E S A CORPORATION | FLORIKAN 20-5-5 FLORIKOTE PLUS | 167 | 20.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 167 | FLORIKAN E S A CORPORATION | FLORIKAN 21-4-7 FLORIKOTE ADVANTAGE | 168 | 21.00 | 4.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 166 | FLORIKAN E S A CORPORATION | FLORIKAN 21-4-8 FLORIKOTE ADVANTAGE | 169 | 21.00 | 4.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 165 | FLORIKAN E S A CORPORATION | FLORIKAN 21-4-9 FLORIKOTE TREE AND SHRUB | 170 | 21.00 | 4.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 175 | FLORIKAN E S A CORPORATION | FLORIKOTE ADVANTAGE 14-5-14 | 171 | 14.00 | 5.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 180 | FLORIKAN E S A CORPORATION | FLORIKOTE ADVANTAGE 20-4-9 | 172 | 20.00 | 4.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 182 | FLORIKAN E S A CORPORATION | FLORIKOTE ADVANTAGE 21-4-7 | 173 | 21.00 | 4.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 183 | FLORIKAN E S A CORPORATION | FLORIKOTE ADVANTAGE 21-4-8 | 174 | 21.00 | 4.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 176 | FLORIKAN E S A CORPORATION | FLORIKOTE NPK 14-14-14 | 175 | 14.00 | 14.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 177 | FLORIKAN E S A CORPORATION | FLORIKOTE NPK 18-6-12 | 176 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 181 | FLORIKAN E S A CORPORATION | FLORIKOTE PLUS 20-5-5 | 177 | 20.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 178 | FLORIKAN E S A CORPORATION | FLORIKOTE STRAWBERRY NORTHERN CALIFORNIA 18-6-12 | 178 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 179 | FLORIKAN E S A CORPORATION | FLORIKOTE STRAWBERRY SOUTHERN CALIFORNIA 18-6-12 | 179 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 488 | WILBUR-ELLIS CO | FOLI-GRO LIQUID FOLIAR FERTILIZER 8-31-5 (0.4% Humic Acids) | 180 | 8.00 | 31.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 52 | AGSCITECH INC | FOLI-R-PLUS GREEN'S GREEN L 18-2-5 + MICROS | 181 | 18.00 | 2.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 50 | AGSCITECH INC | FOLI-R-PLUS K PHOS-PHYTE 2-6-18 + MICROS | 182 | 2.00 | 6.00 | 18.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 51 | AGSCITECH INC | Foli-R-Plus Tuff Blade 2-0-14 | 183 | 2.00 | 0.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 392 | STOLLER ENTERPRISES INC | Foli-Zyme GA 8-0-3 | 184 | 8.00 | 0.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 437 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | FOLTEC NUSION 29-2-3 | 185 | 29.00 | 2.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 438 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | FOLTEC TUR-GRADE-S 2-0-16 | 186 | 2.00 | 0.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 512 | Non-Composted Poultry | Fresh broiler/rice hull | 187 | 3.90 | 2.55 | 2.65 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 516 | Non-composted dairy/steer | Fresh dairy corral scrapings | 188 | 2.35 | 1.30 | 0.70 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 515 | Non-composted dairy/steer | Fresh dairy separator solids | 189 | 2.15 | 0.85 | 0.60 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 513 | Non-Composted Poultry | Fresh layer | 190 | 3.95 | 6.25 | 3.35 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 11 | ADVANCED AGRICULTURE TECHNOLOGIES LTD | FTi-7 Super Growth Formula | 191 | 11.38 | 3.89 | 16.01 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 372 | RSA MICROTECH LLC | GAINER TOTAL TREE ROOT FEED 27-10-12 (0.05% Cu, 0.15% Fe, 0.05% Mn, 0.05% Zn) | 192 | 27.00 | 10.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 316 | MONTEREY AG RESOURCES | GENERAL PURPOSE CHELATE BLEND (1% Fe, 1% Mn, 4% Zn) 5-0-0 | 193 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 220 | HYDROGRO LLC | GET GREEN 10-0-0 | 194 | 10.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 93 | BIO-GRO INC | GF 3-20-3 Opti Bloom | 195 | 3.00 | 20.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 94 | BIO-GRO INC | GF 6-20-5 Root Buster | 196 | 6.00 | 20.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 524 | Composts | Gin trash | 197 | 2.25 | 0.80 | 2.50 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 20 | AGRIMAR CORP | GOEMAR BM 86 5-0-0 | 198 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 17 | AGRIMAR CORP | GOEMAR CALIBRA 0-3-2 | 199 | 0.00 | 3.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 21 | AGRIMAR CORP | GOEMAR HEADSET 6-0-0 | 200 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 18 | AGRIMAR CORP | GOEMAR MZ 63 5-0-0 | 201 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 19 | AGRIMAR CORP | GOEMAR RHIZOPHOS 0-26-5 | 202 | 0.00 | 26.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 391 | STOLLER ENTERPRISES INC | Golden Harvest Plus 5-6-2 | 203 | 5.00 | 6.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 528 | Bulky Organic Materials | Grain straw | 204 | 0.60 | 0.20 | 1.10 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 470 | UNITED SUPPLIERS INC | GRANULATED FERTILIZER 10-4-16 (110 SGN) | 205 | 10.00 | 4.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 469 | UNITED SUPPLIERS INC | GRANULATED FERTILIZER 5.5-8-8 240 SGN | 206 | 5.50 | 8.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 427 | SYNAGRO ORGANIC FERTILIZER CO OF SACRAMENTO | Granulite 5-3-0 | 207 | 5.00 | 3.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 428 | SYNAGRO-WWT INC | GRANULITE 5-3-0 | 208 | 5.00 | 3.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 15 | AGRI TREND LLC | GREEN LEAF 0-28\*-26 | 209 | 0.00 | 28.00 | 26.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 14 | AGRI TREND LLC | Green Leaf 4-30-8 | 210 | 4.00 | 30.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 185 | FUSION 360 INC | GREEN M.I.L.E. 7-5-7 (9% Ca) | 211 | 7.00 | 5.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 285 | LOVELAND PRODUCTS INC | Groganic 5-3-2 Fertilizer | 212 | 5.00 | 3.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 127 | D B WESTERN INC - CALIFORNIA | GRONRELEASE SOLID 18-0-0 | 213 | 18.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 128 | D B WESTERN INC - CALIFORNIA | GRONRELEASE SOLID 21-0-0 | 214 | 21.00 | 0.00 | 0.00 |  | Synthetic |  | 3568.393858 | 21006.231797 | 712.793085 | 2493.576431 |
| 3 | 3 TIER TECHNOLOGIES LLC | Growth 16-4-8 | 215 | 16.00 | 4.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 547 | Generic | Gypsum | 216 | 0 | 0 | 0 |  | Organic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 364 | REDOX CHEMICALS LLC | H-85 0-0-15 | 217 | 0.00 | 0.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 400 | STOLLER ENTERPRISES INC | Harvest More 15-15-30 | 218 | 15.00 | 15.00 | 30.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 399 | STOLLER ENTERPRISES INC | Harvest More 24-16-16 | 219 | 24.00 | 16.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 345 | ORGANIC LABORATORIES INC | HAY MAKER 18-3-4 | 220 | 18.00 | 3.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 215 | HELENA CHEMICAL CO | HELENA BRAND 8-24-0 | 221 | 8.00 | 24.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 207 | HELENA CHEMICAL CO | HELENA PRO-MATE PR PREMIUM 22-3-16- COMMERCIAL LABEL REVIEW - 02032011 TW | 222 | 22.00 | 3.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 216 | HELENA CHEMICAL CO | HELENA PRO-MATE TURF AND ORNAMENTAL FERTILIZER 24-6-12 | 223 | 24.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 536 | Concentrated Organic Materials | Hoof and horn meal | 224 | 14.00 | 2.00 | 0.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 272 | LAND & SEA ORGANICS INC | HUMA BLEND 2-0-8 | 225 | 2.00 | 0.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 90 | BIO HUMA NETICS INC | HUMA GRO Blend 5-0-0 | 226 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 82 | BIO HUMA NETICS INC | HUMA GRO Comol 0-5-0 | 227 | 0.00 | 5.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 81 | BIO HUMA NETICS INC | HUMA GRO CROP-GARD 1-7-1 | 228 | 1.00 | 7.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 89 | BIO HUMA NETICS INC | HUMA GRO Finisher 21 0-0-21 | 229 | 0.00 | 0.00 | 21.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 91 | BIO HUMA NETICS INC | HUMA GRO Golden Gro 5-23-4 | 230 | 5.00 | 23.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 80 | BIO HUMA NETICS INC | HUMA GRO IRON 12-0-0 | 231 | 12.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 87 | BIO HUMA NETICS INC | HUMA GRO Lase 24-0-0 | 232 | 24.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 78 | BIO HUMA NETICS INC | HUMA GRO SUPER K 0-0-40 | 233 | 0.00 | 0.00 | 40.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 86 | BIO HUMA NETICS INC | HUMA GRO Super Nitro 30-0-0 | 234 | 30.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 85 | BIO HUMA NETICS INC | HUMA GRO Super Phos 0-50-0 | 235 | 0.00 | 50.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 84 | BIO HUMA NETICS INC | HUMA GRO Vitol 8-16-4 | 236 | 8.00 | 16.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 79 | BIO HUMA NETICS INC | HUMA GRO VITOL II 6-12-3 | 237 | 6.00 | 12.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 88 | BIO HUMA NETICS INC | HUMA GRO X-tend 3-2-0 | 238 | 3.00 | 2.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 83 | BIO HUMA NETICS INC | HUMA GRO Zap 8-0-0 | 239 | 8.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 1 | 3 TIER TECHNOLOGIES LLC | Huma-Cal Plus XL 6-0-0 | 240 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 141 | EARTHWORKS SOIL AMENDMENTS | HYDROBLEND 1-1-5 (16% Ca, 1.5% S, 0.75% Fe, 0.06% Mn) | 241 | 1.00 | 1.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 461 | TOOTELIAN GAR INC | HYE GREEN 0-0-20 | 242 | 0.00 | 0.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 462 | TOOTELIAN GAR INC | HYE GREEN 0-0-25 | 243 | 0.00 | 0.00 | 25.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 460 | TOOTELIAN GAR INC | HYE GREEN 10-0-0 (+8CA) | 244 | 10.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 233 | INTREPID POTASH NEW MEXICO LLC | INTREPID BRAND MURIATE OF POTASH FINE STANDARD 0-0-62 | 245 | 0.00 | 0.00 | 62.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 231 | INTREPID POTASH NEW MEXICO LLC | INTREPID BRAND MURIATE OF POTASH GRANULAR 0-0-60 | 246 | 0.00 | 0.00 | 60.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 234 | INTREPID POTASH NEW MEXICO LLC | INTREPID BRAND MURIATE OF POTASH GRANULAR 0-0-62 | 247 | 0.00 | 0.00 | 62.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 232 | INTREPID POTASH NEW MEXICO LLC | INTREPID BRAND MURIATE OF POTASH STANDARD 0-0-62 | 248 | 0.00 | 0.00 | 62.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 229 | INTREPID POTASH NEW MEXICO LLC | INTREPID TRIO GRANULAR 0-0-22 | 249 | 0.00 | 0.00 | 22.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 230 | INTREPID POTASH NEW MEXICO LLC | INTREPID TRIO STANDARD 0-0-22 | 250 | 0.00 | 0.00 | 22.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 152 | FLORATINE PRODUCTS GROUP | Iron Maid 15-0-0 | 251 | 15.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 321 | NICO ORGO USA INC | JAIVIK 5-3-3 | 252 | 5.00 | 3.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 264 | JTM NUTRIENTS LLC | JTM ACTIVATOR CA 0-5.5-0 | 253 | 0.00 | 5.50 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 263 | JTM NUTRIENTS LLC | JTM ALL PURPOSE 5-3-1 | 254 | 5.00 | 3.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 265 | JTM NUTRIENTS LLC | JTM REJUVENATOR 2-4-4 | 255 | 2.00 | 4.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 67 | ARYSTA LIFE SCIENCE NORTH AMERICA LLC | K-fol 0-20-55 | 258 | 0.00 | 20.00 | 55.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 328 | NUTRIAG | K-MAX EXTRA 0-0-24 | 259 | 0.00 | 0.00 | 24.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 539 | Concentrated Organic Materials | Kelp meal | 256 | 1.50 | 0.50 | 4.00 | as received | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | AGSCITECH INC | KELP PRO 1-1-4 | 257 | 1.00 | 1.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 330 | NUTRIAG LTD | KMax-Lite 0-0-15.5 | 260 | 0.00 | 0.00 | 15.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 150 | FLORATINE PRODUCTS GROUP | KNIFE AUXILIARY NUTRIENT COMPOUND 12-0-0 | 261 | 12.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 154 | FLORATINE PRODUCTS GROUP | Knife Plus 12-0-0 | 262 | 12.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 323 | NUTRIAG | KP PLUS 1-50-33 | 263 | 1.00 | 50.00 | 33.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 148 | FBS FLORATINE BIOSCIENCES INC | KREBSTART-F 0-22-28 | 264 | 0.00 | 22.00 | 28.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 280 | LIDOCHEM INC | KRYSTAL KLEAR TURF MIX (0.25% B, 0.25% Cu, 3% Fe, 1% Mn, 0.25% Zn) 0-25-0 | 265 | 0.00 | 25.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 492 | WORMSWORTH INC | LEC - SUPER CONCENTRATE 12.5-10.8-8.9 | 266 | 12.50 | 10.80 | 8.90 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 499 | YARA UK LTD | Leffingwel Nutra-Phos Zn-K Plus 3-20-10 | 267 | 3.00 | 20.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 503 | YARA UK LTD | Leffingwell Nutra-Phos CalZinc 0-24-0 | 268 | 0.00 | 24.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 502 | YARA UK LTD | Leffingwell Nutra-Phos Mg 0-35-0 | 269 | 0.00 | 35.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 501 | YARA UK LTD | Leffingwell Nutra-Phos Super-K 7-13-34 | 270 | 7.00 | 13.00 | 34.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 500 | YARA UK LTD | Leffingwell Nutra-Phos ZMP 0-15-0 | 271 | 0.00 | 15.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 278 | LESCO INC | LESCO PRE-M 0.86% PLUS FERTILIZER 19-3-7 | 272 | 19.00 | 3.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 274 | LESCO INC | LESCO Professional Turf Fertilizer 16-0-8 (088768) | 273 | 16.00 | 0.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 277 | LESCO INC | LESCO PROFESSIONAL TURF FERTILIZER 20-10-10 | 274 | 20.00 | 10.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 548 | Generic | Lime | 275 | 0 | 0 | 0 |  | Organic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 65 | ARMAND PRODUCTS CO | LIQUID POTASSIUM CARBONATE 0-0-39.1 | 276 | 0.00 | 0.00 | 39.10 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 112 | BWF BANDUCCI INC | LIQUID SUNSHINE 5-1-1 LIQUID FISH FERTILIZER | 277 | 5.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 299 | LOVELAND PRODUCTS INC | LOVELAND 6-20-20 | 278 | 6.00 | 20.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 269 | LAND & SEA ORGANICS INC | LSO SEAWEED 1-0-5 | 279 | 1.00 | 0.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 270 | LAND & SEA ORGANICS INC | LSO-CONTROL 12-4-4 | 280 | 12.00 | 4.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 458 | THE MAGIC ROCK INC | Magic Rock 3-12-2 | 281 | 3.00 | 12.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 223 | ICL PREMIUM FERTILIZERS NA | MAGNIFIC WATER SOLUBLE MAGNESIUM NTIRATE 11-0-0 (9.3% Mg) | 282 | 11.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 205 | HAIFA NUTRITECH INC | MAGNISAL 11-0-0 SOLUBLE FERTILIZER | 283 | 11.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 368 | REDOX CHEMICALS LLC | Mainstay Potassium 0-0-20 | 284 | 0.00 | 0.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 4 | 3 TIER TECHNOLOGIES LLC | Maintain 8-16-8 | 285 | 8.00 | 16.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 104 | BRANDT CONSOLIDATED INC | MANNI-PLEX FOR CITRUS 5-0-0 | 286 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 555 | DM | MAP 11-52-0 | 287 | 11 | 52 | 0 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 307 | MAR Y TIERRA FERTILIZANTES ORGANICOS | MAR Y TIERRA 5-1-1 | 288 | 5.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 266 | KELLY'S GREEN TEAM A DIVISION OF KELLY LIMESTONE LLC | MAXI CAL K PLUS 0-0-20 | 289 | 0.00 | 0.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 331 | NUTRIAG LTD | MAXISTART 7-14-7 | 290 | 7.00 | 14.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 55 | ALBION LABORATORIES INC | METALOSATE MAGNESIUM ORGANIC AMINO ACID SOLUBLE POWDER FOLIAR FERTILZER 5-0-0 | 291 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 54 | ALBION LABORATORIES INC | METALOSATE NPK 4-17-17 LIQUID FOLIAR | 292 | 4.00 | 17.00 | 17.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 53 | ALBION LABORATORIES INC | METALOSATE POTASSIUM LIQUID FOLIAR 0-0-24 | 293 | 0.00 | 0.00 | 24.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 310 | MILLER CHEMICAL & FERTILIZER CORPORATION | MILLER FERTIGARD 2-32\*-29 | 294 | 2.00 | 21.00 | 29.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 312 | MILLER CHEMICAL & FERTILIZER CORPORATION | MILLER NUTRI-LEAF GREENHOUSE 20-20-20 (0.02% B, 0.05% Cu, 0.1% Fe, 0.05% Mn, 0.0005% Mo, 0.05% Zn) | 295 | 20.00 | 20.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 313 | MILLER CHEMICAL & FERTILIZER CORPORATION | MILLER NUTRI-LEAF SOLUBLE FERTILIZER 20-20-20 (0.02% B, 0.05% Cu, 0.1% Fe, 0.05% Mn, 0.0005% Mo, 0.05% Zn) | 296 | 20.00 | 20.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 311 | MILLER CHEMICAL & FERTILIZER CORPORATION | MILLER SOL-U-GRO 12-48-8 (0.02% B, 0.05% Cu, 0.1% Fe, 0.05% Mn, 0.0005% Mo, 0.05% Zn) | 297 | 12.00 | 48.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 192 | GREEN LIFE AGRICULTURE SDN BHD | MONO POTASSIUM PHOSPHATE 0-52-34 | 298 | 0.00 | 52.00 | 34.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 552 | DM | MOP 0-0-60 | 299 | 0 | 0 | 60 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 373 | SOIL WORKS LLC | MSR | 300 | 0.00 | 21.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 206 | HAIFA NUTRITECH INC | MULTI-K 13-0-46 GREENHOUSE GRADE SOLUBLE FERTILIZER | 314 | 13.00 | 0.00 | 46.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 204 | HAIFA NUTRITECH INC | MULTI-MAP 12-61-0 SOLUBLE FERTILIZER | 315 | 12.00 | 61.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 203 | HAIFA NUTRITECH INC | MULTI-MKP 0-52-34 SOLUBLE FERTILIZER | 316 | 0.00 | 52.00 | 34.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 422 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 12 CONTROLLED RELEASE FERTILIZER 14-5-14 + MINORS PALM FORMULA | 301 | 14.00 | 5.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 415 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 12 CONTROLLED RELEASE FERTILIZER 18-6-10 + MINORS | 302 | 18.00 | 6.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 421 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 12 CONTROLLED RELEASE FERTILIZER 19-4-12 TROPICAL FORMULA | 303 | 19.00 | 4.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 420 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 12 CONTROLLED RELEASE FERTILIZER 21-2-12 + MINORS NATIVE FORMULA | 304 | 21.00 | 2.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 411 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 16 CONTROLLED RELEASE FERTILIZER 17-7-12 + MINORS | 305 | 17.00 | 7.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 412 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 4 CONTROLLED RELEASE FERTILIZER 17-5-11 + MINORS | 306 | 17.00 | 5.00 | 11.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 419 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 6 CONTROLLED RELEASE FERTILIZER 17-6-4 + SECONDARY & MINORS | 307 | 17.00 | 6.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 410 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 8 CONTROLLED RELEASE FERTILIZER 15-10-10 + MINORS IBDU | 308 | 15.00 | 10.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 414 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 8 CONTROLLED RELEASE FERTILIZER 19-6-12 + MINORS HI-IRON | 309 | 19.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 413 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE 8 CONTROLLED RELEASE FERTILIZER 20-4-8 + MINORS IBDU | 310 | 20.00 | 4.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 416 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE CONTROLLED RELEASE FERTILIZER 19-5-6 + SECONDARY & MINORS WITH IBDU TOPDRESS FORMULA | 311 | 19.00 | 5.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 417 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE CONTROLLED RELEASE FERTILIZER 20-5-6 PLUS SECONDARY AND MINORS TOPDRESS FORMULA | 312 | 20.00 | 5.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 418 | SUN GRO HORTICULTURE DISTRIBUTION INC | MULTICOTE CONTROLLED RELEASE FERTILIZER14-14-14 + SECONDARY & MINORS LANDSCAPE FORMULA | 313 | 14.00 | 14.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 147 | FARM FUEL INC | MUSTARD SEED MEAL 5.46-3.39-1.22 | 317 | 5.46 | 3.39 | 1.22 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 211 | HELENA CHEMICAL CO | MYCO-VAM PLUS 6-3-3 NATURAL FERTILIZERPLUS MYCORRHIZAE | 318 | 6.00 | 3.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 2 | 3 TIER TECHNOLOGIES LLC | Nitro 21-0-0 | 319 | 21.00 | 0.00 | 0.00 |  | Synthetic |  | 3568.393858 | 21006.231797 | 712.793085 | 2493.576431 |
| 393 | STOLLER ENTERPRISES INC | Nitro Plus 18 CA 18-0-0 | 320 | 18.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 397 | STOLLER ENTERPRISES INC | Nitro Plus 5 5-0-0 | 321 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 390 | STOLLER ENTERPRISES INC | Nitro Plus 9 9-0-0 | 322 | 9.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 398 | STOLLER ENTERPRISES INC | Nitro Plus 9 CA 9-0-0 | 323 | 9.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 35 | AGRIUM ADVANCED TECH (US) INC | NITROFORM 38-0-0 POWDER | 324 | 38.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 34 | AGRIUM ADVANCED TECH (US) INC | NITROFORM 38-0-0 SGN 150 | 325 | 38.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 33 | AGRIUM ADVANCED TECH (US) INC | NITROFORM 38-0-0 SGN 225 | 326 | 38.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 295 | LOVELAND PRODUCTS INC | NORTRACE ACA PLUS 7-0-0 | 327 | 7.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 294 | LOVELAND PRODUCTS INC | NORTRACE AWAKEN 16-0-2 | 328 | 16.00 | 0.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 293 | LOVELAND PRODUCTS INC | NORTRACE N-PACT 26-0-0 | 329 | 26.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 224 | ICL PREMIUM FERTILIZERS NA | NOVAMAP MONOAMMONIUM PHOSPHATE 12-61-0 | 330 | 12.00 | 61.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 126 | CXI | NTEXX 15-5-5 | 331 | 15.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 95 | BIO-GRO INC | NUE 3-20-3 | 332 | 3.00 | 20.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 98 | BIO-GRO INC | NUE Neutral K 'OA' 0-0-25 | 334 | 0.00 | 0.00 | 25.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 99 | BIO-GRO INC | NUE Neutral K 25 0-28\*-25 | 333 | 0.00 | 0.00 | 25.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 97 | BIO-GRO INC | NUE P-3 8-28-0 | 335 | 8.00 | 28.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 361 | RED STAR FERTILIZER CO | NURSERYMAN'S WINTER GREEN UP 21-8-14 | 336 | 21.00 | 8.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 271 | LAND & SEA ORGANICS INC | NUT CHAMP PLUS 2-4-4 | 337 | 2.00 | 4.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 493 | WTB TECHNOLOGY CORPORATION | NUTRAPLEX CALCIUM 6% 5-0-0 | 338 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 354 | PLANT MARVEL LABORATORIES INC | NUTRICULTURE POINSETTIA SPECIAL 15-5-25 PLUS TRACE ELEMENTS | 339 | 15.00 | 5.00 | 25.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 334 | NUTRIENTS PLUS LLC | NUTRIENTS PLUS CLARUS 100 100% NATURAL FERTILIZER AUX-N-ITE 5-4-0 WITH 1% IRON, FAIRWAY GRADE | 340 | 5.00 | 4.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 333 | NUTRIENTS PLUS LLC | NUTRIENTS PLUS CLARUS 100 100% NATURAL FERTILIZER AUX-N-ITE 5-4-0 WITH 1% IRON, GREENS GRADE | 341 | 5.00 | 4.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 309 | MAXICROP USA INC | OHRSTROM'S GARDEN MAXICROP ORIGINAL 5.0-1.0-1.0 LIQUID FISH | 342 | 5.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 219 | HYDRODYNAMICS INTERNATIONAL | ORCHID FOCUS BLOOM FORMULA 2-1-2 | 343 | 2.00 | 1.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 356 | PROFILE PRODUCTS LLC | Organi-pHix 6-1-1 | 353 | 6.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 483 | WESTBRIDGE | ORGANIC BIOLINK ALL-PURPOSE FERTILIZER 1-5-5 | 344 | 1.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 485 | WESTBRIDGE | ORGANIC BIOLINK ALL-PURPOSE FERTILIZER 5-5-5 | 345 | 5.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 484 | WESTBRIDGE | ORGANIC BIOLINK PHOSPHORUS FERTILIZER 0-12-0 | 346 | 0.00 | 12.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 339 | ORGANIC FARMS | ORGANIC FARMS 10-4-2 ORGANIC FERTILIZER | 347 | 10.00 | 4.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 338 | ORGANIC FARMS | ORGANIC FARMS 12-0-0 ORGANIC FERTILIZER | 348 | 12.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 342 | ORGANIC FARMS | ORGANIC FARMS 3-3-2 ORGANIC FERTILIZER | 349 | 3.00 | 3.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 341 | ORGANIC FARMS | ORGANIC FARMS 4-4-2 ORGANIC FERTILIZER | 350 | 4.00 | 4.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 340 | ORGANIC FARMS | ORGANIC FARMS 8-1-1 ORGANIC FERTILIZER | 351 | 8.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 343 | ORGANIC FARMS | ORGANIC FARMS 8-1-1 ORGANIC FERTILIZER | 352 | 8.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 111 | BWF BANDUCCI INC | ORGANIQUE EXQUIS 3.5-1-1 LIQUID FISH FERTILIZER | 354 | 3.50 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 347 | ORO AGRI INC | OROTURF 2.0-1.0-2.0 | 355 | 2.00 | 1.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 362 | REDOX CHEMICALS INC | OXYCOM INOCULANT PLUS LIQUID FERTILIZER 2-2-3 | 356 | 2.00 | 2.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 363 | REDOX CHEMICALS LLC | OXYCOM O2 INOCULANT PLUS 2-2-3 | 357 | 2.00 | 2.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 365 | REDOX CHEMICALS LLC | OXYCOM RESPOND PLUS 0-4-6 | 358 | 0.00 | 4.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 367 | REDOX CHEMICALS LLC | P-58 10-57-0 | 359 | 10.00 | 57.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 349 | PACIFIC CALCIUM INC | PACIFIC CALCIUM GRANUALTED FEATHER MEAL 12-0-0 | 360 | 12.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 190 | GREAT PACIFIC BIOPRODUCTS | Pacific Natural Organic Fresh Fish Fertilizer 2-3-0 | 361 | 2.00 | 3.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 221 | ICL PREMIUM FERTILIZERS NA | PEAK MONOPOTASSIUM PHOSPHATE (MKP) 0-52-34 | 362 | 0.00 | 52.00 | 34.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 222 | ICL PREMIUM FERTILIZERS NA | PEKACID PK FERTILIZER 0-60-20 | 363 | 0.00 | 60.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 350 | PERFECT BLEND LLC | PERFECT BLEND ENHANCED 10-3-7 SGN 150 | 364 | 10.00 | 3.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 351 | PERFECT BLEND LLC | PERFECT BLEND ENHANCED 8-4-5 SGN 100 | 365 | 8.00 | 4.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 47 | AGSCITECH INC | PHOS PRO 3-15-0 | 366 | 3.00 | 15.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 247 | J R SIMPLOT CO | PHT 3-11-1 100% NATURAL ORGANIC FERTILIZER | 367 | 3.00 | 11.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 241 | J R SIMPLOT CO | PHT CHE-IRON 4.5% 5-0-0 | 368 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 254 | J R SIMPLOT CO | PHT CHE-MAN 5% 2-0-0 | 369 | 2.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 243 | J R SIMPLOT CO | PHT FOLO SPRAY 0-50-30 | 370 | 0.00 | 50.00 | 30.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 244 | J R SIMPLOT CO | PHT FOLO SPRAY 20-10-30 | 371 | 20.00 | 10.00 | 30.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 242 | J R SIMPLOT CO | PHT Nutrient Buffer 0-8-0 | 372 | 0.00 | 8.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 325 | NUTRIAG | PHYTO B 0-0-12 | 373 | 0.00 | 0.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 324 | NUTRIAG | PHYTO D 0-0-6 | 374 | 0.00 | 0.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 73 | BAICOR L C | PHYTO-PLUS GENES BOOSTER 19-2-2 | 376 | 19.00 | 2.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 68 | BAICOR L C | PHYTO-PLUS NUTRA-GEL 12-13-9 | 377 | 12.00 | 13.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 72 | BAICOR L C | PHYTO-PLUS NUTRA-GREEN 5-10-5 | 378 | 5.00 | 10.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 70 | BAICOR L C | PHYTO-PLUS PHOSPHORUS 12% 3-12-0 | 379 | 3.00 | 12.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 71 | BAICOR L C | PHYTO-PLUS POTASSIUM 10.0% 0-0-10 | 380 | 0.00 | 0.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 69 | BAICOR L C | PHYTO-PLUS STARTER 2-2-4 | 381 | 2.00 | 2.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 74 | BAICOR L C | PHYTO=PLUS UPTAKE 3-20\*-17 | 375 | 3.00 | 20.00 | 17.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 28 | AGRIUM ADVANCED TECH (US) INC | POLYON MAP 10-47-0 SGN 310 | 382 | 10.00 | 47.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 29 | AGRIUM ADVANCED TECH (US) INC | POLYON MAP 10-48-0 SGN 310 | 383 | 10.00 | 48.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 30 | AGRIUM ADVANCED TECH (US) INC | POLYON NPK 13-13-13 SGN 285 | 384 | 13.00 | 13.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 31 | AGRIUM ADVANCED TECH (US) INC | POLYON NPK 17-6-12 SGN 300 | 385 | 17.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 25 | AGRIUM ADVANCED TECH (US) INC | POLYON NPK 18-6-12 SGN 300 | 386 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 26 | AGRIUM ADVANCED TECH (US) INC | POLYON NPK 19-6-12 SGN 300 | 387 | 19.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 32 | AGRIUM ADVANCED TECH (US) INC | POLYON NPK 19-6-13 SGN 300 | 388 | 19.00 | 6.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 27 | AGRIUM ADVANCED TECH (US) INC | POLYON NPK 20-6-13 SGN 300 | 389 | 20.00 | 6.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 64 | ARMAND PRODUCTS CO | POTASSIUM BICARBONATE 0-0-45.8 | 390 | 0.00 | 0.00 | 45.80 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 66 | ARMAND PRODUCTS CO | POTASSIUM CARBONATE 0-0-66.5 | 391 | 0.00 | 0.00 | 66.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 77 | BIG QUILL RESOURCES INC | POTASSIUM SULFATE 0-0-53 | 392 | 0.00 | 0.00 | 53.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 157 | FLORATINE PRODUCTS GROUP | Power 0-0-22 | 393 | 0.00 | 0.00 | 22.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 155 | FLORATINE PRODUCTS GROUP | Power 0-22-28 | 394 | 0.00 | 22.00 | 28.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 158 | FLORATINE PRODUCTS GROUP | Power 12-0-12 | 395 | 12.00 | 0.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 159 | FLORATINE PRODUCTS GROUP | Power 23-0-0 | 396 | 23.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 160 | FLORATINE PRODUCTS GROUP | Power 24-0-0 | 397 | 24.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 156 | FLORATINE PRODUCTS GROUP | Power 4-4-16 | 398 | 4.00 | 4.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 275 | LESCO INC | PRE-M 0.86% PLUS FERTILIZER 19-3-7 | 399 | 19.00 | 3.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 96 | BIO-GRO INC | Premium K 0-0-5 | 400 | 0.00 | 0.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 394 | STOLLER ENTERPRISES INC | Pro Start CA 11-0-0 | 401 | 11.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 476 | VOGEL SEED & FERTILIZER INC | PRO-GREEN FERTILIZER 12-4-6 | 404 | 12.00 | 4.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 217 | HELENA CHEMICAL CO | PRO-MATE TURF AND ORNAMENTAL FERTILIZER 18-9-18 | 405 | 18.00 | 9.00 | 18.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 357 | PRO-SOL | PRO-SOL 24-8-16 CLF-NO DYE WATERSOLUBLE FERTILIZER | 407 | 24.00 | 8.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 358 | PRO-SOL | PRO.SOL 20-20-20 (0.02% B, 0.05% Cu, 0.1% Fe, 0.05% Mn, 0.0005% Mo, 0.05% Zn) | 402 | 20.00 | 20.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 359 | PRO-SOL | PRO.SOL ALL PURPOSE PLANT FOOD 10-52-8 (0.02% B, 0.05% Cu, 0.1% Fe, 0.05% Mn, 0.0005% Mo, 0.05% Zn) | 403 | 10.00 | 52.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 429 | TAMINCO INC | PROPAG-8 5-0-9 | 406 | 5.00 | 0.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 360 | PROTERRA TECHNOLOGIES INC | PROTERRA PLANT & SOIL RESQ 7-2-0 (0.10% Fe, 0.05% Mn, 0.05% Zn) | 408 | 7.00 | 2.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 281 | LIDOCHEM INC | PRUDENT LIQUID FERTILIZER 6-20-6 (0.5% Mg, 0.25% B, 0.5% Zn) | 409 | 6.00 | 20.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 103 | BLUE OCEAN ORGANICS INC | PSG Plant Food Pellets 12-12-2.5 | 410 | 12.00 | 12.00 | 2.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 352 | PERFECT GARDENERS LLC | PTF Nutrifier Fertilizer 20-5-10 | 411 | 20.00 | 5.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 201 | GROWTH PRODUCTS LTD | RE-STORE PLUS 3-0-2 WITH 10% HUMIC ACID | 415 | 3.00 | 0.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 130 | D B WESTERN INC - CALIFORNIA | RELEASE-N-GRO 30-0-0 | 412 | 30.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 129 | D B WESTERN INC - CALIFORNIA | RELEASE-N-GRO 32-0-0 | 413 | 32.00 | 0.00 | 0.00 |  | Synthetic |  | 6762.751252 | 21006.231797 | 712.793085 | 2493.576431 |
| 430 | TAMINCO INC | RESISTIM PLANT NUTRIENT SUPPLEMENT 0-0-16 | 414 | 0.00 | 0.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 370 | REVIVE INC | REVIVE GRANULES 6-3-2 | 416 | 6.00 | 3.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 283 | LOVELAND PRODUCTS INC | RISE R 7-17-3 | 417 | 7.00 | 17.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 371 | RNA CORPORATION | RNA 13% CALCIUM 4.8-0-0 | 418 | 4.80 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 6 | 3 TIER TECHNOLOGIES LLC | Root & Groom 3-16-15 | 419 | 3.00 | 16.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 396 | STOLLER ENTERPRISES INC | Root Feed I 9-0-0 | 420 | 9.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 395 | STOLLER ENTERPRISES INC | Root Feed II 9-0-0 | 421 | 9.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 376 | SOURCE TO SOURCE A TAP FAMILY COMPANY | ROOT FIX 0-8-0 | 422 | 0.00 | 8.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 369 | REDOX CHEMICALS LLC | Rx Bio 1-0-14 | 423 | 1.00 | 0.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 366 | REDOX CHEMICALS LLC | Rx-Supra 1-2-2 | 424 | 1.00 | 2.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 194 | GREENFLASH TECHNOLOGIES LLC | SaltDetox-1051 5-0-0 | 425 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 193 | GREENFLASH TECHNOLOGIES LLC | SaltDetox-1062 5-0-0 | 426 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 320 | NICO ORGO USA INC | SAMRAT 4-3-2 | 427 | 4.00 | 3.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 125 | COTTONWOOD CREEK INGREDIENTS | scGRO PLANT FOOD 8.0-4.6-1.5 | 428 | 8.00 | 4.60 | 1.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 336 | OCEAN ORGANICS | Sea Blend 12-0-12 | 429 | 12.00 | 0.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 139 | EARTHGREEN PRODUCTS INC | SEAMATE FE 6-8-12 | 430 | 6.00 | 8.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 530 | Bulky Organic Materials | Seaweed (kelp) | 431 | 0.20 | 0.10 | 0.60 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 195 | GROW MORE | SEAWEED EXTRACT 26% 0.3-0.7-5 | 432 | 0.30 | 0.70 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 109 | BWF BANDUCCI INC | SECURE ORGANICS 3-2-1 LIQUID FISH FERTILIZER | 433 | 3.00 | 2.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 110 | BWF BANDUCCI INC | SECURE ORGANICS 4-1-1 LIQUID FISH FERTILIZER | 434 | 4.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 315 | MONTEREY AG RESOURCES | SEQUESTAR 14% COPPER CHELATE 6-0-0 | 435 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 317 | MONTEREY AG RESOURCES | SEQUESTAR 14% ZINC CHELATE 6-0-0 | 436 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 314 | MONTEREY AG RESOURCES | SEQUESTAR RMX-8 CHELATE 5-0-0 | 437 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 542 | Concentrated Organic Materials | Sewage sludge (dried biosolids) | 438 | 17.60 | 14.30 | 2.60 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 227 | INFINITY FERTILIZERS INC | SG SEED & SOD 18-24-10 2000# | 439 | 18.00 | 24.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 228 | INFINITY FERTILIZERS INC | SG SEED & SOD 18-24-10 PREMIX 50# | 440 | 18.00 | 24.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 235 | ISAGRO USA INC | Siapton 10-0-0 | 441 | 10.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 184 | FREE FLOW FERTILIZER | SIERRA PACIFIC TURF SUPPLY FERTILIZER 25-3-10 | 442 | 25.00 | 3.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 296 | LOVELAND PRODUCTS INC | SIGNATURE BRAND 22-5-10 | 443 | 22.00 | 5.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 297 | LOVELAND PRODUCTS INC | SIGNATURE BRAND 41-0-0 WITH DURATION CR 120-SGN150 | 444 | 41.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 286 | LOVELAND PRODUCTS INC | SIGNATURE BRAND FERTILIZER 18-4-9 + 5FE | 445 | 18.00 | 4.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 289 | LOVELAND PRODUCTS INC | SIGNATURE BRAND FERTILIZER EVADE CRABGRASS PREVENTER .375% PLUS 15-0-15 | 446 | 15.00 | 0.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 290 | LOVELAND PRODUCTS INC | SIGNATURE BRAND FERTILIZER EVADE CRABGRASS PREVENTER .375% PLUS 20-0-10 | 447 | 20.00 | 0.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 291 | LOVELAND PRODUCTS INC | SIGNATURE BRAND FERTILIZER EVADE CRABGRASS PREVENTER .375% PLUS 28-2-4 | 448 | 28.00 | 2.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 284 | LOVELAND PRODUCTS INC | SIGNATURE BRAND RIZZASTAR ENDO G 3-2-6 | 449 | 3.00 | 2.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 288 | LOVELAND PRODUCTS INC | SIGNATURE BRAND SIRIUS 17-5\*-11 SOIL AND FOLIAR NUTRIENT | 450 | 17.00 | 5\* | 11.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 250 | J R SIMPLOT CO | SIMPLOT 18-3-18 WITH MICRONUTRIENTS | 451 | 18.00 | 3.00 | 18.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 238 | J R SIMPLOT CO | SIMPLOT BEST MICRO GREEN 15-5-8 | 452 | 15.00 | 5.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 239 | J R SIMPLOT CO | SIMPLOT BEST PALM PLUS 13-5-8 | 453 | 13.00 | 5.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 237 | J R SIMPLOT CO | SIMPLOT ECO MICROMIX PLUS 5-0-0 NUTRIPACK | 454 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 62 | AMERICAN IODINE COMPANY INC | SODIUM NITRATE AND POTASSIUM NITRATE PRILLED 14-0-14 | 455 | 14.00 | 0.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 61 | AMERICAN IODINE COMPANY INC | SODIUM NITRATE AND POTASSIUM NITRATE PRILLED 14-0-9 | 456 | 14.00 | 0.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 344 | ORGANIC LABORATORIES INC | Soil Maker 3-2-3 | 457 | 3.00 | 2.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 226 | INFINITY FERTILIZERS INC | SOIL PREMIX BLEND 12-9-7 2000# | 458 | 12.00 | 9.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 225 | INFINITY FERTILIZERS INC | SOIL PREMIX BLEND 12-9-7 50# | 459 | 12.00 | 9.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 116 | CONVERTED ORGANICS OF CA LLC | Soil Start 7-1-1 | 460 | 7.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 353 | PIERCE COUNTY PUBLIC WORKS & UTILITIES | SOUND GRO FERTILIZER 5-4-0 (3% Ca, 0.90% Mg, 0.55% Fe, 0.0010% Mo, 0.05% Zn) | 461 | 5.00 | 4.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 355 | POULENGER USA INC | SOYAPLEX 8-1-2 | 462 | 8.00 | 1.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 383 | SQM NORTH AMERICA CORP | SQM QROP K 13.5-0-44 | 463 | 13.50 | 0.00 | 44.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 385 | SQM NORTH AMERICA CORP | SQM ULTRASOL K PLUS 13.7-0-46.3 | 464 | 13.70 | 0.00 | 46.30 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 236 | J R SIMPLOT CO | SSN Urea 46-0-0 with Nutrisphere-N | 465 | 46.00 | 0.00 | 0.00 |  | Synthetic |  | 11393.064728 | 21006.231797 | 712.793085 | 2493.576431 |
| 389 | STARK BRO'S NURSERIES & ORCHARDS CO | Stark Bro's Tre-Pep Tree and Plant Food 22-24-12 | 466 | 22.00 | 24.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 431 | TAMINCO INC | STIMUL-8 PLANT NUTRIENT SUPPLEMENT 2-0-7 | 467 | 2.00 | 0.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 403 | STOLLER ENTERPRISES INC | STOLLER BIO FORGE PLANT SPRAY ACTIVATOR 2-0-3 | 468 | 2.00 | 0.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 48 | AGSCITECH INC | STS FALL 7-3-9 + MICROS | 469 | 7.00 | 3.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 49 | AGSCITECH INC | STS FOLIAR ACTIVATOR 6-0-4 + MICROS | 470 | 6.00 | 0.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 46 | AGSCITECH INC | STS SOIL ACTIVATOR 5-0-4 + micros | 471 | 5.00 | 0.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 45 | AGSCITECH INC | STS SPRING 9-4-6 + MICROS | 472 | 9.00 | 4.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 218 | HONEYWELL | SulfN 21-0-0 | 473 | 21.00 | 0.00 | 0.00 |  | Synthetic |  | 3568.393858 | 21006.231797 | 712.793085 | 2493.576431 |
| 481 | WESTBRIDGE | SUNBurst Amino-N 6-0-0 | 474 | 6.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 482 | WESTBRIDGE | SUNBURST LIQUI-CaN 7-0-0 + (9% Ca) | 475 | 7.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 480 | WESTBRIDGE | SUNBURST LIQUI-MICRO MIX 5-0-0 | 476 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 405 | SUN GRO HORTICULTURE DISTRIBUTION INC | Sunshine Advanced Plant Fuel Max Flowers 1-4-5 | 477 | 1.00 | 4.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 404 | SUN GRO HORTICULTURE DISTRIBUTION INC | Sunshine Advanced Plant Fuel Max Growth 4-1-5 | 478 | 4.00 | 1.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 423 | SUN GRO HORTICULTURE DISTRIBUTION INC | SUNSHINE TECHNIGRO 20-10-20 NO BORON | 479 | 20.00 | 10.00 | 20.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 267 | KMB TECHNOLOGIES LLC | SURFCOTE 44-0-0 POLYMER-COATED UREA | 480 | 44.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 375 | SOURCE TO SOURCE A TAP FAMILY COMPANY | SWEET SPOT 8-26-0 | 481 | 8.00 | 26.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 425 | SYLVITE SALES USA INC | SYLVITE FIELD GRADE CALCIUM NITRATE 15.5-0-0 (19% Ca) | 482 | 15.50 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 426 | SYLVITE SALES USA INC | SYLVITE GREENHOUSE GRADE CALCIUM NITRATE 15.5-0-0 | 483 | 15.50 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 424 | SYLVITE SALES USA INC | SYLVITE SOLUTION GRADE/GREENHOUSE GRADE CALCIUM NITRATE 15.5-0-0 (19% CA) | 484 | 15.50 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 37 | AGRO-K CORPORATION | Sysstem-MN 0-35-0 | 485 | 0.00 | 35.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 543 | Concentrated Organic Materials | Tankage (dried animal residue) | 486 | 7.00 | 10.00 | 1.50 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 465 | TURF CARE SUPPLY CORP | TCS GROWSTAR PENDIMETHALIN 0.86% + FERTILIZER 0-0-5 (1.80% S, 2.00% CL) | 487 | 0.00 | 0.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 409 | SUN GRO HORTICULTURE DISTRIBUTION INC | TECHNICOTE MCC 13-13-13 UP 34 MONTHS LANDSCAPE FORMULATION | 488 | 13.00 | 13.00 | 13.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 407 | SUN GRO HORTICULTURE DISTRIBUTION INC | TECHNICOTE MCC 14-14-14 PLUS SECONDARY AND MICROS UP TO 4 MONTHS | 489 | 14.00 | 14.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 406 | SUN GRO HORTICULTURE DISTRIBUTION INC | TECHNICOTE MCC 18-6-12 PLUS SECONDARY AND MICROS UP TO 8 MONTHS | 490 | 18.00 | 6.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 408 | SUN GRO HORTICULTURE DISTRIBUTION INC | TECHNICOTE MCC 20-5-6 UP TO 3-4 MONTHS TOPDRESS FORMULATION | 491 | 20.00 | 5.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 433 | TEXAS ENVIRONMENTAL PRODUCTS INC | TEP SUPER K HUMUS SW 0-0-5 | 492 | 0.00 | 0.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 457 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | The ANDERSON PROFESSIONAL TURF PRODUCTS FERTILIZER WITH DIMENSION TURF HERBICIDE 18-3-12 | 493 | 18.00 | 3.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 448 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | The Andersons Professional Turf Products 20-3-3 with Trimec Brand Herbicide & PCSCU | 494 | 20.00 | 3.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 436 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | THE ANDERSONS PROFESSIONAL TURF PRODUCTS 24-5-11 | 495 | 24.00 | 5.00 | 11.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 455 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | The Andersons Professional Turf Products 32-3-5 with PCSCU | 496 | 32.00 | 3.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 449 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | The Andersons Professional Turf Products Fertilizer 15-3-5 with MERIT Insecticide | 497 | 15.00 | 3.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 454 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | THE ANDERSONS TURF PRODUCTS FERTILIZER 46-0-0 | 498 | 46.00 | 0.00 | 0.00 |  | Synthetic |  | 11393.064728 | 21006.231797 | 712.793085 | 2493.576431 |
| 453 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | THE ANDERSONS TURF PRODUCTS FERTILIZER 5-0-31 | 499 | 5.00 | 0.00 | 31.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 452 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | THE ANDERSONS TURF PRODUCTS FERTILIZER WITH 0.2% MERIT INSECTICIDE 15-0-0 AND NUTRISPHERE-N | 500 | 15.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 445 | THE ANDERSONS LAWN FERTILIZER DIVISION INC | The Andersons Turf Products Fertilizer with Allectus Insecticide 21-0-7 | 501 | 21.00 | 0.00 | 7.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 459 | THE SANCTUARY | THE SANCTUARY 16-2-4 FAIRWAY GRADE | 502 | 16.00 | 2.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 303 | MAR Y TIERRA FERTILIZANTES ORGANICOS | TIERRA FERTIL 3-1-2 | 503 | 3.00 | 1.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 304 | MAR Y TIERRA FERTILIZANTES ORGANICOS | TIERRA FERTIL 3-4-1 | 504 | 3.00 | 4.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 305 | MAR Y TIERRA FERTILIZANTES ORGANICOS | TIERRA FERTIL 4-6-1 | 505 | 4.00 | 6.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 308 | MAR Y TIERRA FERTILIZANTES ORGANICOS | TIERRA FERTIL 5-1-1 | 506 | 5.00 | 1.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 306 | MAR Y TIERRA FERTILIZANTES ORGANICOS | TIERRA FERTIL 5-7-1 | 507 | 5.00 | 7.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 302 | MAR Y TIERRA FERTILIZANTES ORGANICOS | TIERRA FERTIL 9-5-1-3 | 508 | 9.00 | 5.00 | 1.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 40 | AGROPLANTAE INC | TRACE-IN 7 CHELATED MICRONUTRIENT MIX 5-0-0 | 509 | 5.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 273 | LAND & SEA ORGANICS INC | TRANSPLANT POWDER 20-16-10 (1% S, 0.02% B, 0.05% Cu, 0.05% Mn, 0.009% Mo, 0.05% Zn) | 510 | 20.00 | 16.00 | 10.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 463 | TRI-C ENTERPRISES LLC | Tri-C 6-2-4 w/5% S Organics Soil Conditioner / Fertilizer | 511 | 6.00 | 2.00 | 4.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 549 | TRUE | TRUE 12-3-0 | 512 | 12 | 3 | 0 |  | Organic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 550 | TRUE | TRUE 7.5-5-7.5 | 513 | 7.5 | 5 | 7.5 |  | Organic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 332 | NUTRIAG LTD | TRUPHOS GOLD 5-18-2 | 514 | 5.00 | 18.00 | 2.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 326 | NUTRIAG | TRUPHOS MAGNESIUM 0-29-5 | 515 | 0.00 | 29.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 327 | NUTRIAG | TRUPHOS MERISTIM 0-23-3 | 516 | 0.00 | 23.00 | 3.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 75 | BASIC ENVIRONMENTAL SYSTEMS & TECHNOLOGY INC USA | Turf Management Formula 1 6-37-5 | 517 | 6.00 | 37.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 322 | NOVOZYMES BIOLOGICALS INC | TURFVIGOR 9-3-6 | 518 | 9.00 | 3.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 511 | Non-Composted Poultry | Turkey/rice hull litter | 519 | 1.75 | 2.65 | 1.85 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 556 | DM | UAN 20+P4 | 520 | 20 | 0 | 4 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 551 | DM | UAN 28-0-0 | 522 | 28 | 0 | 0 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 187 | GAVILON FERTILIZER LLC | UAN 32 32-0-0 | 521 | 32.00 | 0.00 | 0.00 |  | Synthetic |  | 6762.751252 | 21006.231797 | 712.793085 | 2493.576431 |
| 13 | AGRAKEY SOLUTIONS LLC | UNLOK 25-0-0 | 523 | 25.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 138 | DUTCH BROTHERS ENTERPRISES | UNLOK 25-0-0 | 524 | 25.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 186 | GAVILON FERTILIZER LLC | Urea 46-0-0 | 525 | 46.00 | 0.00 | 0.00 |  | Synthetic |  | 11393.064728 | 21006.231797 | 712.793085 | 2493.576431 |
| 473 | VERDEGAAL BROTHERS INC | US-10 10/55 UREA-SULFUIC ACID FERTILIZER 10-0-0 | 526 | 10.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 472 | VERDEGAAL BROTHERS INC | US-15 15/49 UREA-SULFURIC ACID FERTILIZER 15-0-0 | 527 | 15.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 471 | VERDEGAAL BROTHERS INC | US-28 PLUS 9% SULFUR 28-0-0, 28/27 UREA-SULFURIC ACID FERTILIZER | 528 | 28.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 525 | Composts | Vermicompost | 529 | 3.40 | 0.25 | 1.41 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 487 | WILBUR-ELLIS CO | VERSATILE-IDS MAGNESIUM (2.5% Mg) 0-0-9 | 530 | 0.00 | 0.00 | 9.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 319 | NCA BIOTECH INC | WEATHER KING PLUS 1-0-6.5 | 531 | 1.00 | 0.00 | 6.50 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 276 | LESCO INC | WEED MAN PROFESSIONAL TURF FERTILIZER 24-4-6 | 532 | 24.00 | 4.00 | 6.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 490 | WILBUR-ELLIS CO | WIL-GRO PROFESSIONAL FERTILIZER GOLD MEDAL 27-8-8 (7% S) | 533 | 27.00 | 8.00 | 8.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 489 | WILBUR-ELLIS CO | WIL-GRO PROFESSIONAL FERTILIZER PRO-CAL 15-0-15 + 11% Ca (0.02% B, 0.05% Cu, 0.1% Fe, 0.05% Mn, 0.0005% Mo, 0.05% Zn, 1% Humic Acid) | 534 | 15.00 | 0.00 | 15.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 491 | WILBUR-ELLIS CO | WIL-GRO PROFESSIONAL PRODUCTS PRO-NATURAL A-MAIZE-N 9-0-0 | 535 | 9.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 531 | Bulky Organic Materials | Winery pomace | 536 | 1.50 | 1.50 | 0.75 | dry | Organic |  | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 494 | X-CALIBUR PLANT HEALTH CO LLC | X-CALIBUR PLANTACOTE BLENDS TDA 15-5-12 UP TO 4-5 MONTH | 537 | 15.00 | 5.00 | 12.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 496 | YARA NORTH AMERICA INC | YARALIVA UNCAN-17 CALCIUM AMMONIUM NITRATE SOLUTION 17-0-0 | 538 | 17.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 495 | YARA NORTH AMERICA INC | YARAMILA 27-5-5 | 539 | 27.00 | 5.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 497 | YARA NORTH AMERICA INC | YARAMILA MINIPRILLS 21-7-14 | 540 | 21.00 | 7.00 | 14.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 509 | YARA UK LTD | YaraVita Bud Builder WP 0-6-0 | 541 | 0.00 | 6.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 508 | YARA UK LTD | YaraVita Ferrichel Ninety 12-13-0 | 542 | 12.00 | 13.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 510 | YARA UK LTD | YaraVita Kayphol 0-5-32 | 543 | 0.00 | 5.00 | 32.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 507 | YARA UK LTD | YaraVita Magphos 0-29-5 | 544 | 0.00 | 29.00 | 5.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 504 | YARA UK LTD | YaraVita New Teprosyn Zn/P 9-15-0 | 545 | 9.00 | 15.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 498 | YARA PHOSYN LTD | YARAVITA NUT BUILDER 4-6-0 | 546 | 4.00 | 6.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 506 | YARA UK LTD | YaraVita Phoztrac 4-15-0 | 547 | 4.00 | 15.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 505 | YARA UK LTD | YaraVita Seniphos 3-23-0 | 548 | 3.00 | 23.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 105 | BRANDT CONSOLIDATED INC | ZEBA 25-0-0 LF | 549 | 25.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 107 | BRANDT CONSOLIDATED INC | ZEBA 3-16-16 LF | 550 | 3.00 | 16.00 | 16.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 106 | BRANDT CONSOLIDATED INC | ZEBA 6-22-0 LF | 551 | 6.00 | 22.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 432 | TETRA MICRONUTRIENTS | ZINK-GRO 16-0-0 | 552 | 16.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |
| 202 | GROWTH RESOURCES | Zone Set 8-0-0 | 553 | 8.00 | 0.00 | 0.00 |  | Synthetic |  | 0.000000 | 21006.231797 | 712.793085 | 2493.576431 |

## Percent Legume Mix

|  |  |  |  |
| --- | --- | --- | --- |
| id | value | SortOrder | LongCaption |
| 1 | 100 | 1 | 100% Leguminous |
| 2 | 95 | 2 | 95% Leguminous |
| 3 | 90 | 3 | 90% Leguminous |
| 4 | 85 | 4 | 85% Leguminous |
| 5 | 80 | 5 | 80% Leguminous |
| 6 | 75 | 6 | 75% Leguminous |
| 7 | 70 | 7 | 70% Leguminous |
| 8 | 65 | 8 | 65% Leguminous |
| 9 | 60 | 9 | 60% Leguminous |
| 10 | 55 | 10 | 55% Leguminous |
| 11 | 50 | 11 | 50% Leguminous |
| 12 | 45 | 12 | 45% Leguminous |
| 13 | 40 | 13 | 40% Leguminous |
| 14 | 35 | 14 | 35% Leguminous |
| 15 | 30 | 15 | 30% Leguminous |
| 16 | 25 | 16 | 25% Leguminous |
| 17 | 20 | 17 | 20% Leguminous |
| 18 | 15 | 18 | 15% Leguminous |
| 19 | 10 | 19 | 10% Leguminous |
| 20 | 5 | 20 | 5% Leguminous |

## NRCS Climate Classification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | LRRkey | MLRAkey | MLRAname | ClimateClass |
| 1 | A | 1 | Northern Pacific Coast Range, Foothills and Valleys | 3 |
| 2 | A | 2 | Willamette and Puget Sound Valleys | 3 |
| 3 | A | 3 | Olympic and Cascade Mountains | 3 |
| 4 | A | 4 | California Coastal Redwood Belt | 1 |
| 7 | A | 5 | Siskiyou-Trinity Area | 3 |
| 8 | B | 10 | Upper Snake River Lave Plains and Hills | 4 |
| 5 | modified to fill missing MLRA | 10A | similar to Upper Snake River Lave Plains and Hills | 4 |
| 6 | B | 11 | Snake River Plains | 4 |
| 15 | modified to fill missing MLRA | 11A | similar to Snake River Plains | 4 |
| 16 | modified to fill missing MLRA | 11B | similar to Snake River Plains | 4 |
| 17 | B | 12 | Lost River Valleys and Mountains | 4 |
| 9 | B | 13 | Eastern Idaho Plateaus | 4 |
| 10 | B | 6 | Cascade Mountains, Eastern Slope | 3 |
| 11 | B | 7 | Columbia Basin | 4 |
| 12 | B | 8 | Columbia Plateau | 4 |
| 13 | B | 9 | Palouse and Nez Perce Prairies | 4 |
| 14 | C | 14 | Central California Coastal Valleys | 2 |
| 26 | C | 15 | Cetral Califronia Coast Range | 3 |
| 27 | C | 16 | California Delta | 2 |
| 28 | C | 17 | Sacramento and San Joaquin Valleys | 2 |
| 29 | C | 18 | Sierra Nevada Foothills | 1 |
| 18 | C | 19 | Southern California Coastal Plain | 2 |
| 19 | C | 20 | Southern California Mountains | 3 |
| 20 | D | 21 | Klamath and Shasta Valleys and Basins | 4 |
| 21 | D | 22 | Sierra Nevada Range | 3 |
| 22 | D | 23 | Malheur High Plateau | 4 |
| 23 | D | 24 | Humboldt Area | 4 |
| 24 | D | 25 | Owyhee High Plateau | 4 |
| 25 | D | 26 | Carson Basin and Mountains | 4 |
| 31 | D | 27 | Fallon-Lovelock Area | 4 |
| 30 | D | 28A | Great Salt Lake Area | 4 |
| 32 | D | 28B | Central Nevada Basin and Range | 4 |
| 34 | D | 29 | Southern Nevada Basin and Range | 4 |
| 36 | D | 30 | Sonoran Basin and Range | 2 |
| 38 | D | 31 | Imperial Valley | 2 |
| 40 | D | 32 | Nothern Intermountain Desertic Basins | 4 |
| 42 | D | 33 | Semiarid Rocky Mountains | 4 |
| 43 | D | 34 | Central Desertic Basins, Moutains, and Plateaus | 4 |
| 45 | D | 35 | Colorado and Green River Plateaus | 4 |
| 47 | D | 36 | New Mexico and Arizona Plateaus and Mesas | 4 |
| 49 | D | 37 | San Juan River Valley Mesas and Plateaus | 4 |
| 51 | D | 39 | Arizona and New Mexico Mountains | 3 |
| 53 | D | 40 | Central Arizona Basin and Range | 2 |
| 55 | D | 41 | Southeastern Arizona Basin and Range | 4 |
| 56 | D | 42 | Southern Desertic Basins, Plains and Mountains | 2 |
| 58 | E | 43 | Nothern Rocky Mountains | 3 |
| 60 | E | 44 | Northern Rocky Mountain Valleys | 4 |
| 62 | E | 46 | Nothern Rocky Mountain Foothills | 4 |
| 64 | E | 47 | Wasatch and Uinta Mountains | 3 |
| 66 | E | 48A | Southern Rocky Mountains | 3 |
| 68 | E | 48B | Southern Rocky Mountain Parks | 4 |
| 69 | E | 49 | Southern Rocky Mountains Foothills | 4 |
| 71 | E | 51 | High Intermountain Valleys | 4 |
| 73 | F | 52 | Brown Glaciated Plain | 4 |
| 75 | F | 53A | Northern Dark Brown Glaciated Plains | 4 |
| 77 | F | 53B | Central Dark Brown Glaciated Plains | 4 |
| 79 | F | 53C | Southern Dark Brown Glaciated Plains | 4 |
| 81 | F | 54 | Rolling Soft Shale Plain | 4 |
| 82 | F | 55A | Northern Black Glaciated Plains | 4 |
| 84 | F | 55B | Central Black Glaciated Plains | 4 |
| 86 | F | 55C | Southern Black Glaciated Plains | 4 |
| 88 | F | 56 | Red River Valley of the North | 4 |
| 90 | G | 58A | Nothern Rolling High Plains, Nothern Part | 4 |
| 92 | G | 58B | Nothern Rolling High Plains, Southern Part | 4 |
| 94 | G | 58C | Nothern Rolling High Plains, Notheastern Part | 4 |
| 95 | G | 58D | Nothern Rolling High Plains, Eastern Part | 4 |
| 97 | G | 60A | Pierre Shale Plains and Badlands | 4 |
| 99 | G | 60B | Pierre Shale Plains, Nothern Part | 4 |
| 101 | G | 61 | Black Hills Foot Slopes | 4 |
| 103 | G | 62 | Black Hills | 3 |
| 105 | G | 63A | Northern Rolling Pierre Shale Plains | 4 |
| 107 | G | 63B | Southern Rolling Pierre Shale Plains | 4 |
| 108 | G | 64 | Mixed Sandy and Silty Tableland | 4 |
| 110 | G | 65 | Nebraska Sand Hills | 4 |
| 112 | G | 66 | Dakota-Nebraska Eroded Tableland | 4 |
| 114 | G | 67 | Central High Plains | 4 |
| 116 | G | 69 | Upper Arkansas Valley Rolling Plains | 4 |
| 118 | G | 70 | Pecos-Canadian Plains and Valleys | 4 |
| 120 | H | 71 | Central Nebraska Loess Hills | 3 |
| 121 | H | 72 | Central High Tableland | 4 |
| 123 | H | 73 | Rolling Plains and Breaks | 3 |
| 125 | H | 74 | Central Kansas Sandstone Hills | 1 |
| 127 | H | 75 | Central Loess Plains | 3 |
| 129 | H | 76 | Bluestem Hills | 1 |
| 131 | H | 77 | Southern High Plains | 4 |
| 133 | modified to fill missing MLRA | 77A | similar to Southern High Plains | 4 |
| 134 | modified to fill missing MLRA | 77B | similar to Southern High Plains | 4 |
| 136 | modified to fill missing MLRA | 77C | similar to Southern High Plains | 4 |
| 138 | modified to fill missing MLRA | 77D | similar to Southern High Plains | 4 |
| 140 | modified to fill missing MLRA | 77E | similar to Southern High Plains | 4 |
| 142 | H | 78 | Central Rolling Red Plains | 1 |
| 144 | H | 79 | Great Bend Sand Plains | 1 |
| 146 | H | 80A | Central Rolling Red Prairies | 1 |
| 147 | H | 80B | Texas North-Central Prairies | 1 |
| 149 | I | 81 | Edwards Plateau | 1 |
| 151 | I | 82 | Texas Central Basin | 1 |
| 153 | I | 83A | Northern Rio Grande Plain | 1 |
| 155 | I | 83B | Western Rio Grande Plain | 2 |
| 157 | I | 83C | Central Rio Grande Plain | 1 |
| 159 | I | 83D | Lower Rio Grande Valley | 1 |
| 160 | J | 84A | Cross Timbers | 1 |
| 162 | J | 84B | West Cross Timbers | 1 |
| 164 | J | 84C | East Cross Timbers | 1 |
| 166 | J | 85 | Grand Prairie | 1 |
| 168 | J | 86 | Texas Blackland Prairie | 1 |
| 170 | J | 87 | Texas Claypan Area | 1 |
| 172 | K | 57 | Northern Minnesota Gray Drift | 3 |
| 173 | K | 88 | Northern Minnesota Glacial Lake Basins | 3 |
| 175 | K | 90 | Central Wisconsin and Minnesota Thin Loess and Till | 3 |
| 177 | K | 91 | Wisconsin and Minnesota Sandy Outwash | 3 |
| 179 | K | 92 | Superior Lake Plain | 3 |
| 181 | K | 93 | Superior Stony and Rocky Loamy Plains and Hills | 3 |
| 183 | K | 94A | Northern Michigan and Wisconsin Sandy Drift | 3 |
| 185 | K | 94B | Michigan Eastern Upper Peninsula Sandy Drift | 3 |
| 186 | L | 100 | Erie Fruit and Truck Area | 3 |
| 188 | L | 101 | Ontaio Plain and Finger Lakes Region | 3 |
| 190 | L | 95A | Northeastern Wisconsin Drift Plain | 3 |
| 192 | L | 95B | Southern Wisconsin and Nothern Illinois Drift Plain | 3 |
| 194 | L | 96 | Western Michigan and Northeastern Wisconsin Fruit Belt | 3 |
| 196 | L | 97 | Southwestern Michigan Fruit and Truck Belt | 3 |
| 198 | L | 98 | Southern Michigan and Northern Indiana Drift Plain | 3 |
| 199 | L | 99 | Erie-Huron Lake Plain | 3 |
| 201 | M | 102A | Rolling Till Prairie | 3 |
| 203 | M | 102B | Loess Uplands and Till Plains | 3 |
| 205 | modified to fill missing MLRA | 102C | similar to Till Prairie, Loess Uplands or Till Plains | 3 |
| 207 | M | 103 | Central Iowa and Minnesota Till Prairies | 3 |
| 209 | M | 104 | Eastern Iowa and Minnesota Till Prairies | 3 |
| 211 | M | 105 | Northern Mississippi Valley Loess Hills | 3 |
| 212 | M | 106 | Nebraska and Kansas Loess-Drift Hills | 3 |
| 214 | M | 107 | Iowa and Missouri Deep Loess Hills | 3 |
| 216 | M | 108 | Illinois and Iowa Deep Loess and Drift | 3 |
| 218 | M | 109 | Iowas and Missouri Heavy Till Plain | 3 |
| 220 | M | 110 | Northern Illinois and Indiana Heavy Till Plain | 3 |
| 222 | M | 111 | Indiana and Ohio Till Plain | 3 |
| 224 | M | 112 | Cherokee Prairies | 1 |
| 225 | M | 113 | Central Claypan Areas | 1 |
| 227 | M | 114 | Southern Illinois and Indiana Thin Loess and Till Plain | 1 |
| 229 | M | 115 | Central Mississippi Valley Wooded Slopes | 1 |
| 231 | modified to fill missing MLRA | 115A | similar to Central Mississippi Valley Wooded Slope | 1 |
| 233 | modified to fill missing MLRA | 115B | similar to Central Mississippi Valley Wooded Slope | 1 |
| 235 | N | 116A | Ozark Highland | 1 |
| 237 | N | 116B | Ozark Border | 1 |
| 238 | N | 117 | Boston Mountains | 3 |
| 240 | N | 118 | Arkansas Valley and Ridges | 1 |
| 242 | N | 119 | Ouachita mountains | 1 |
| 244 | N | 120 | Kentucky and Indiana Sandstone and Shale Hills and Valleys | 1 |
| 246 | N | 121 | Kentucky Bluegrass | 1 |
| 248 | N | 122 | Highland Rim and Pennyroyal | 1 |
| 250 | N | 123 | Nashville Basin | 1 |
| 251 | N | 124 | Western Allegheny Plateau | 3 |
| 253 | N | 125 | Cumberland Plateau and Mountains | 1 |
| 255 | N | 126 | Central Allegheny Plateau | 3 |
| 257 | N | 127 | Eastern Allegheny Plateau and Mountains | 3 |
| 259 | N | 128 | Southern Appalachiam Ridges and Valleys | 1 |
| 261 | N | 129 | Sand Mountain | 1 |
| 263 | N | 130 | Blue Ridge | 3 |
| 264 | O | 131 | Southern Mississippi Valley Alluvium | 1 |
| 266 | P | 133A | Southern Coastal Plain | 1 |
| 268 | P | 133B | Western Coastal Plain | 1 |
| 270 | P | 134 | Southern Mississippi Valley Silty Uplands | 1 |
| 272 | P | 135 | Alabama, Mississippi, and Arkansas Blackland Prairies | 1 |
| 274 | P | 136 | Southern Piedmont | 1 |
| 276 | P | 137 | Carolina and Georgia Sand Hills | 1 |
| 277 | P | 138 | North-Central Florida Ridge | 1 |
| 279 | R | 139 | Eastern Ohio Till Plain | 3 |
| 281 | R | 140 | Glaciated Allegheny Plateau and Catskill Mountains | 3 |
| 283 | R | 141 | Tughill Plateau | 3 |
| 285 | R | 142 | St. Lawrence-Champlain Plain | 3 |
| 287 | R | 143 | Northeastern Mountains | 3 |
| 289 | R | 144A | New England and Eastern New York Upland, Southern Part | 3 |
| 290 | R | 144B | New England and Eastern New York Upland, Northern Part | 3 |
| 292 | R | 145 | Connecticut Valley | 3 |
| 294 | R | 146 | Aroostook Area | 3 |
| 296 | S | 147 | Northern Appalachian Ridges and Valleys | 3 |
| 298 | S | 148 | Northern Piedmont | 3 |
| 300 | S | 149A | Northern Coastal Plain | 1 |
| 302 | S | 149B | Long Island-Cape Cod Coastal Lowland | 1 |
| 303 | T | 150A | Gulf Coast Prairies | 1 |
| 305 | T | 150B | Gulf Coast Salin Prairies | 1 |
| 307 | T | 151 | Gulf Coast Marsh | 1 |
| 309 | T | 152A | Eastern Gulf Coast Flatwoods | 1 |
| 311 | T | 152B | Western Gulf Coast Flatwoods | 1 |
| 313 | T | 153A | Atlantic Coast Flatwoods | 1 |
| 315 | T | 153B | Tidewater Area | 1 |
| 316 | T | 153C | Mid-Atlantic Coastal Plain | 1 |
| 318 | modified to fill missing MLRA | 153D | similar to coastal region | 1 |
| 320 | U | 154 | South-Central Florida Ridge | 1 |
| 322 | U | 155 | Southern Florida Flatwoods | 1 |
| 324 | U | 156A | Florida Evergaldes and Associated Areas | 1 |
| 326 | U | 156B | Southern Florida Lowlands | 1 |
| 328 | V | 157 | Arid and Semiarid Low Mountains Slopes | 1 |
| 329 | V | 158 | Semiarid and Subhumid Low Mountain Slopes | 1 |
| 331 | V | 159 | Humid and Very Humid Low and Intermediate Mountain Slopes | 1 |
| 333 | V | 160 | Subhumid and Humid Intermediate and High Mountain Slopes | 1 |
| 335 | V | 161 | Lava Flows and Rock Outcrops | 1 |
| 337 | V | 162 | Very Humid Areas on East and West Maui Mountians, Kohala Mountains, and Mount Waialeale | 1 |
| 339 | V | 163 | Alluvial Fans and Coastal Plains | 2 |
| 341 | V | 164 | Rough Mountainous Lands | 1 |
| 342 | V | 165 | Subhumid Intermediate Mountain Slopes | 1 |
| 344 | V | 166 | Very Stony Land and Rock Land | 1 |
| 346 | V | 167 | Humid Low and Intermediate Mountain Slopes | 1 |
| 348 | W | 168 | Southeastern Alaska | 1 |
| 350 | W | 169 | South-Central Alaska Mountains | 3 |
| 352 | W | 170 | Cook Inlet-Susitna Lowland | 3 |
| 354 | W | 171 | Alaska Peninsula and Southwestern Islands | 4 |
| 355 | X | 172 | Cooper River Plateau | 4 |
| 357 | X | 173 | Alaska Range | 3 |
| 359 | X | 174 | Interior Alaska Lowlands | 4 |
| 361 | X | 175 | Kuskokwim Highlands | 3 |
| 363 | X | 176 | Interior Alaska Highlands | 4 |
| 365 | Y | 177 | Norton Sound Highlands | 4 |
| 367 | Y | 178 | Western Alaska Coastal Plains and Deltas | 4 |
| 368 | Y | 179 | Boring Sea Islands | 4 |
| 370 | Y | 180 | Brooks Range | 4 |
| 372 | Y | 181 | Artic Foothills | 4 |
| 374 | Y | 182 | Artic Coastal Plain | 4 |

## Fuel Types

|  |  |
| --- | --- |
| ID | value |
| 1 | Diesel |
| 2 | Gasoline |
| 3 | Propane |
| 4 | LPG (Liquefied Petroleum Gas) |
| 5 | Natural Gas |
| 6 | E100 (100% Ethanol) |
| 7 | E10 (10% Ethanol, 90% Gasoline) |
| 8 | E85 (85% Ethanol, 15% Gasoline) |
| 9 | B100 (100% Biodiesel) |
| 10 | B5 (5% Biodiesel) |
| 11 | B20 (20% Biodiesel) |
| 12 | LNG (Liquefied Natural Gas) |
| 13 | Aviation Gasoline |

## Food Loss Types

|  |  |
| --- | --- |
| id | value |
| 2 | Packinghouse Loss |
| 3 | Processing Facility Loss |
| 4 | Storage Loss |
| 5 | Loss in Transport to Packing House |
| 6 | Loss in Transport to Processing Facility |
| 7 | Loss in Transport to Storage |
| 8 | Walk-By Loss |

## Food Loss Unit

|  |  |
| --- | --- |
| id | value |
| 1 | Weight - Pounds |
| 2 | Weight - Grams |
| 3 | Quantity - Container |

## Reason for Loss

|  |  |
| --- | --- |
| id | value |
| 1 | Culled - Damaged |
| 2 | Culled - not marketable |
| 3 | Culled - not edible |
| 4 | Food Safety concerns |
| 5 | Lack of Buyer |
| 6 | Insufficient labor |
| 7 | Not marketable |
| 8 | Marketable but not profitable |
| 9 | Environmental Factors |
| 10 | Other |

## Loss Destination

|  |  |  |
| --- | --- | --- |
| id | value | Description |
| 1 | Animal Feed | diverting material originally intended for human consumption in its current form to feed animals |
| 2 | Bio-based materials | Converting material into industrial products: creating fibers for packaging material; creating bioplastics (e.g., polylactic acid); making “traditional” materials such as leather or feathers (e.g., for pillows); and rendering fat, oil, or grease into a raw material to make products such as soaps, biodiesel, or cosmetics |
| 3 | Codigestion/anaerobic digestion | breaking down material via bacteria in the absence of oxygen. This process generates biogas and nutrient-rich matter. Codigestion refers to the simultaneous anaerobic digestion of food loss and waste and other organic material in one digester |
| 4 | Composting/aerobic digestion | breaking down material via bacteria in oxygen-rich environments. Composting refers to the production of organic material that can be used as a soil amendment |
| 5 | Controlled combustion | sending material to a facility that is specifically designed for combustion in a controlled manner, which may include some form of energy recovery. |
| 6 | Land application | spreading, spraying, injecting or incorporating organic material into or onto the land |
| 7 | Landfill | sending organic material to an area of land or an excavated site that is specifically designed and built to receive waste |
| 8 | Redistributed to people through alternative markets | (e.g., donation, gleaning, food that is repurposed or redistributed at less than market value) (Please report the pounds of crop donated. Although this portion of the harvest still ends with human consumption, it is an economic loss so is important to understand). |
| 9 | Not harvested/plowed in | leaving crops that were ready for harvest in the field or tilling them into the soil. |
| 10 | Refuse/discards/litter | abandoning material on land. This includes open dumps, open burns, and dumping of culls back on an abandoned field, but not tilling it back into the soil. |

## Growth Stage Reference Models

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| id | value | SortOrder | LongCaption | Image | Icon | Text | URL | L\_ini | L\_dev | L\_mid | L\_late | Total |
| 1 | Artichoke, 1st year -- California -- April | 1 |  |  |  |  |  | 40.00 | 40.00 | 250.00 | 30.00 | 360.00 |
| 2 | Artichoke, 2nd year -- California -- May (cut in May) | 2 |  |  |  |  |  | 20.00 | 25.00 | 250.00 | 30.00 | 325.00 |
| 3 | Asparagus -- Mediterranean -- February | 3 |  |  |  |  |  | 90.00 | 30.00 | 200.00 | 45.00 | 365.00 |
| 4 | Asparagus -- Warm Winter -- February | 4 |  |  |  |  |  | 50.00 | 30.00 | 100.00 | 50.00 | 230.00 |
| 5 | Banana, 1st year -- Mediterranean -- March | 5 |  |  |  |  |  | 120.00 | 90.00 | 120.00 | 60.00 | 390.00 |
| 6 | Banana, 2nd year -- Mediterranean -- February | 6 |  |  |  |  |  | 120.00 | 60.00 | 180.00 | 5.00 | 365.00 |
| 7 | Beans (dry) -- Continental Climates -- May/June | 7 |  |  |  |  |  | 20.00 | 30.00 | 40.00 | 20.00 | 110.00 |
| 8 | Beans (dry) -- Idaho, USA -- June | 8 |  |  |  |  |  | 25.00 | 25.00 | 30.00 | 20.00 | 100.00 |
| 9 | Beans (dry) -- Pakistan, California -- June | 9 |  |  |  |  |  | 15.00 | 25.00 | 35.00 | 20.00 | 95.00 |
| 10 | Beans (green) -- California, Egypt, Lebanon -- Aug/Sept | 10 |  |  |  |  |  | 15.00 | 25.00 | 25.00 | 10.00 | 75.00 |
| 11 | Beans (green) -- California, Mediterranean -- Feb/Mar | 11 |  |  |  |  |  | 20.00 | 30.00 | 30.00 | 10.00 | 90.00 |
| 12 | Beets -- Mediterranean -- Apr/May | 12 |  |  |  |  |  | 15.00 | 25.00 | 20.00 | 10.00 | 70.00 |
| 13 | Beets -- Mediterranean , Arid Region -- Feb/Mar | 13 |  |  |  |  |  | 25.00 | 30.00 | 25.00 | 10.00 | 90.00 |
| 14 | Broccoli -- California Desert -- September | 14 |  |  |  |  |  | 35.00 | 45.00 | 40.00 | 15.00 | 135.00 |
| 15 | Cabbage -- California Desert -- September | 15 |  |  |  |  |  | 40.00 | 60.00 | 50.00 | 15.00 | 165.00 |
| 16 | Cantaloupe -- California -- August | 16 |  |  |  |  |  | 10.00 | 60.00 | 25.00 | 25.00 | 120.00 |
| 17 | Cantaloupe -- California -- January | 17 |  |  |  |  |  | 30.00 | 45.00 | 35.00 | 10.00 | 120.00 |
| 18 | Carrots -- Arid climate -- January | 18 |  |  |  |  |  | 20.00 | 30.00 | 30.00 | 20.00 | 100.00 |
| 19 | Carrots -- Arid climate -- October | 19 |  |  |  |  |  | 20.00 | 30.00 | 50.00 | 20.00 | 120.00 |
| 20 | Carrots -- California Desert -- October | 20 |  |  |  |  |  | 30.00 | 50.00 | 90.00 | 30.00 | 200.00 |
| 21 | Carrots - Mediterranean -- Feb/Mar | 21 |  |  |  |  |  | 30.00 | 40.00 | 60.00 | 20.00 | 150.00 |
| 22 | Cauliflower -- California Desert -- September | 22 |  |  |  |  |  | 35.00 | 50.00 | 40.00 | 15.00 | 140.00 |
| 23 | Celery -- (Semi) Arid -- January | 23 |  |  |  |  |  | 30.00 | 55.00 | 105.00 | 20.00 | 210.00 |
| 24 | Celery -- (Semi) Arid -- October | 24 |  |  |  |  |  | 25.00 | 40.00 | 95.00 | 20.00 | 180.00 |
| 25 | Celery -- Mediterranean -- April | 25 |  |  |  |  |  | 25.00 | 40.00 | 45.00 | 15.00 | 125.00 |
| 26 | Citrus -- Mediterranean -- January | 26 |  |  |  |  |  | 60.00 | 90.00 | 120.00 | 95.00 | 365.00 |
| 27 | Crucifers -- Mediterranean -- April | 27 |  |  |  |  |  | 20.00 | 30.00 | 20.00 | 10.00 | 80.00 |
| 28 | Crucifers -- Mediterranean -- February | 28 |  |  |  |  |  | 25.00 | 35.00 | 25.00 | 10.00 | 95.00 |
| 29 | Crucifers -- Mediterranean -- Oct/Nov | 29 |  |  |  |  |  | 30.00 | 35.00 | 90.00 | 40.00 | 195.00 |
| 30 | Cucumber -- Arid Region -- Jun/Aug | 30 |  |  |  |  |  | 20.00 | 30.00 | 40.00 | 15.00 | 105.00 |
| 31 | Cucumber -- Arid Region -- Nov; Feb | 31 |  |  |  |  |  | 25.00 | 35.00 | 50.00 | 20.00 | 130.00 |
| 32 | Deciduous Orchard -- California -- March | 32 |  |  |  |  |  | 20.00 | 70.00 | 90.00 | 30.00 | 210.00 |
| 33 | Deciduous Orchard -- High Latitudes -- March | 33 |  |  |  |  |  | 30.00 | 50.00 | 130.00 | 30.00 | 240.00 |
| 34 | Deciduous Orchard -- Low Latitudes -- March | 34 |  |  |  |  |  | 20.00 | 70.00 | 120.00 | 60.00 | 270.00 |
| 35 | Eggplant -- Arid Region -- October | 35 |  |  |  |  |  | 30.00 | 40.00 | 40.00 | 20.00 | 130.00 |
| 36 | Eggplant -- Mediterranean -- May/June | 36 |  |  |  |  |  | 30.00 | 45.00 | 40.00 | 25.00 | 140.00 |
| 37 | Grapes -- California -- March | 37 |  |  |  |  |  | 20.00 | 40.00 | 120.00 | 60.00 | 240.00 |
| 38 | Grapes -- high latitudes -- May | 38 |  |  |  |  |  | 30.00 | 60.00 | 40.00 | 80.00 | 210.00 |
| 39 | Grapes -- low latitudes -- April | 39 |  |  |  |  |  | 20.00 | 50.00 | 75.00 | 60.00 | 205.00 |
| 40 | Grapes -- mid latitudes (wine) -- April | 40 |  |  |  |  |  | 20.00 | 50.00 | 90.00 | 20.00 | 180.00 |
| 41 | Hops -- Idaho, USA -- April | 41 |  |  |  |  |  | 25.00 | 40.00 | 80.00 | 10.00 | 155.00 |
| 42 | Lettuce -- Arid Region -- Oct/Nov | 42 |  |  |  |  |  | 25.00 | 35.00 | 30.00 | 10.00 | 100.00 |
| 43 | Lettuce -- Mediterranean -- April | 43 |  |  |  |  |  | 20.00 | 30.00 | 15.00 | 10.00 | 75.00 |
| 44 | Lettuce -- Mediterranean -- Feb | 44 |  |  |  |  |  | 35.00 | 50.00 | 45.00 | 10.00 | 140.00 |
| 45 | Lettuce -- Mediterranean -- Nov/Jan | 45 |  |  |  |  |  | 30.00 | 40.00 | 25.00 | 10.00 | 105.00 |
| 46 | Olives -- Mediterranean -- March | 46 |  |  |  |  |  | 30.00 | 90.00 | 60.00 | 90.00 | 270.00 |
| 47 | Onion (dry) -- Arid Region -- October | 47 |  |  |  |  |  | 20.00 | 35.00 | 110.00 | 45.00 | 210.00 |
| 48 | Onion (dry) -- California -- January | 48 |  |  |  |  |  | 20.00 | 35.00 | 110.00 | 45.00 | 210.00 |
| 49 | Onion (dry) -- Mediterranean -- April | 49 |  |  |  |  |  | 15.00 | 25.00 | 70.00 | 40.00 | 150.00 |
| 50 | Onion (green) -- Arid Region -- October | 50 |  |  |  |  |  | 20.00 | 45.00 | 20.00 | 10.00 | 95.00 |
| 51 | Onion (green) -- California -- March | 51 |  |  |  |  |  | 30.00 | 55.00 | 55.00 | 40.00 | 180.00 |
| 52 | Onion (green) -- Mediterranean -- Apr/May | 52 |  |  |  |  |  | 25.00 | 30.00 | 10.00 | 5.00 | 70.00 |
| 53 | Onion (seed) -- California Desert -- September | 53 |  |  |  |  |  | 20.00 | 45.00 | 165.00 | 45.00 | 275.00 |
| 54 | Peas -- Europe -- May | 54 |  |  |  |  |  | 15.00 | 25.00 | 35.00 | 15.00 | 90.00 |
| 55 | Peas -- Idaho, USA -- April | 55 |  |  |  |  |  | 35.00 | 25.00 | 30.00 | 20.00 | 110.00 |
| 56 | Peas -- Mediterranean -- Mar/Apr | 56 |  |  |  |  |  | 20.00 | 30.00 | 35.00 | 15.00 | 100.00 |
| 57 | Pineapple -- Hawaii, USA | 57 |  |  |  |  |  | 60.00 | 120.00 | 600.00 | 10.00 | 790.00 |
| 58 | Pistachios -- Mediterranean -- February | 58 |  |  |  |  |  | 20.00 | 60.00 | 30.00 | 40.00 | 150.00 |
| 59 | Pomegranates -- Arid regions -- August | 59 |  |  |  |  |  | 21.00 | 77.00 | 57.00 | 105.00 | 260.00 |
| 60 | Potato -- (Semi) Arid Climate -- January | 60 |  |  |  |  |  | 25.00 | 30.00 | 30.00 | 30.00 | 115.00 |
| 61 | Potato -- (Semi) Arid Climate -- November | 61 |  |  |  |  |  | 25.00 | 30.00 | 45.00 | 30.00 | 130.00 |
| 62 | Potato -- California Desert -- December | 62 |  |  |  |  |  | 30.00 | 35.00 | 50.00 | 25.00 | 140.00 |
| 63 | Potato -- Continental Climate -- May | 63 |  |  |  |  |  | 25.00 | 30.00 | 45.00 | 30.00 | 130.00 |
| 64 | Potato -- Europe -- April | 64 |  |  |  |  |  | 30.00 | 35.00 | 50.00 | 30.00 | 145.00 |
| 65 | Potato -- Idaho, USA -- Apr/May | 65 |  |  |  |  |  | 45.00 | 30.00 | 70.00 | 20.00 | 165.00 |
| 66 | Pumpkin, Winter Squash -- Europe -- June | 66 |  |  |  |  |  | 25.00 | 35.00 | 35.00 | 25.00 | 120.00 |
| 67 | Pumpkin, Winter Squash -- Mediterranean -- Mar; Aug | 67 |  |  |  |  |  | 20.00 | 30.00 | 30.00 | 20.00 | 100.00 |
| 68 | Radish -- Arid Region -- Winter | 68 |  |  |  |  |  | 10.00 | 10.00 | 15.00 | 5.00 | 40.00 |
| 69 | Radish -- Mediterranean, Europe -- Mar/Apr | 69 |  |  |  |  |  | 5.00 | 10.00 | 15.00 | 5.00 | 35.00 |
| 70 | Spinach -- Arid Region -- November | 70 |  |  |  |  |  | 20.00 | 30.00 | 40.00 | 10.00 | 180.00 |
| 71 | Spinach -- Mediterranean -- April | 71 |  |  |  |  |  | 20.00 | 20.00 | 15.00 | 5.00 | 60.00 |
| 72 | Spinach -- Mediterranean -- Sep/Oct | 72 |  |  |  |  |  | 20.00 | 20.00 | 25.00 | 5.00 | 70.00 |
| 73 | Squash, Zucchini -- Arid Region -- December | 73 |  |  |  |  |  | 25.00 | 35.00 | 25.00 | 15.00 | 100.00 |
| 74 | Squash, Zucchini -- Mediterranean -- April | 74 |  |  |  |  |  | 25.00 | 35.00 | 25.00 | 15.00 | 100.00 |
| 75 | Squash, Zucchini -- Mediterranean, Europe -- May/Jun | 75 |  |  |  |  |  | 20.00 | 30.00 | 25.00 | 15.00 | 90.00 |
| 76 | Sugarbeet -- Arid Regions -- November | 76 |  |  |  |  |  | 35.00 | 60.00 | 70.00 | 40.00 | 205.00 |
| 77 | Sugarbeet -- California -- June | 77 |  |  |  |  |  | 25.00 | 30.00 | 90.00 | 10.00 | 155.00 |
| 78 | Sugarbeet -- California -- March | 78 |  |  |  |  |  | 30.00 | 45.00 | 90.00 | 15.00 | 180.00 |
| 79 | Sugarbeet -- California Desert -- September | 79 |  |  |  |  |  | 25.00 | 65.00 | 100.00 | 65.00 | 255.00 |
| 80 | Sugarbeet -- Idaho, USA -- April | 80 |  |  |  |  |  | 50.00 | 40.00 | 50.00 | 40.00 | 180.00 |
| 81 | Sugarbeet -- Mediterranean -- May | 81 |  |  |  |  |  | 25.00 | 35.00 | 50.00 | 50.00 | 160.00 |
| 82 | Sugarbeet -- Mediterranean -- November | 82 |  |  |  |  |  | 45.00 | 75.00 | 80.00 | 30.00 | 230.00 |
| 83 | Sweet melons -- Arid Region -- Dec/Jan | 83 |  |  |  |  |  | 30.00 | 45.00 | 65.00 | 20.00 | 160.00 |
| 84 | Sweet melons -- California -- March | 84 |  |  |  |  |  | 30.00 | 30.00 | 50.00 | 30.00 | 140.00 |
| 85 | Sweet melons -- California Desert -- August | 85 |  |  |  |  |  | 15.00 | 40.00 | 65.00 | 15.00 | 135.00 |
| 86 | Sweet melons -- Mediterranean -- May | 86 |  |  |  |  |  | 25.00 | 35.00 | 40.00 | 20.00 | 120.00 |
| 87 | Sweet peppers -- Arid Region -- October | 87 |  |  |  |  |  | 30.00 | 40.00 | 110.00 | 30.00 | 210.00 |
| 88 | Sweet peppers -- Europe and Mediterranean -- April | 88 |  |  |  |  |  | 25.00 | 35.00 | 40.00 | 20.00 | 120.00 |
| 89 | Sweet peppers -- Europe and Mediterranean -- June | 89 |  |  |  |  |  | 30.00 | 35.00 | 40.00 | 20.00 | 125.00 |
| 90 | Sweet potato -- Mediterranean -- April | 90 |  |  |  |  |  | 20.00 | 30.00 | 60.00 | 40.00 | 150.00 |
| 91 | Sweet potato -- Tropical Regions -- Rainy season | 91 |  |  |  |  |  | 15.00 | 30.00 | 50.00 | 30.00 | 125.00 |
| 92 | Tomato -- Arid Region -- January | 92 |  |  |  |  |  | 30.00 | 40.00 | 40.00 | 25.00 | 135.00 |
| 93 | Tomato -- Arid Region -- Oct/Nov | 93 |  |  |  |  |  | 35.00 | 45.00 | 70.00 | 30.00 | 180.00 |
| 94 | Tomato -- California -- Apr/May | 94 |  |  |  |  |  | 35.00 | 40.00 | 50.00 | 30.00 | 155.00 |
| 95 | Tomato -- California Desert -- January | 95 |  |  |  |  |  | 25.00 | 40.00 | 60.00 | 30.00 | 155.00 |
| 96 | Tomato -- Mediterranean -- Apr/May | 96 |  |  |  |  |  | 30.00 | 40.00 | 45.00 | 30.00 | 145.00 |
| 97 | Walnuts -- Utah, USA -- April | 97 |  |  |  |  |  | 20.00 | 10.00 | 130.00 | 30.00 | 190.00 |
| 98 | Watermelons -- Italy -- April | 98 |  |  |  |  |  | 20.00 | 30.00 | 30.00 | 30.00 | 110.00 |
| 99 | Watermelons -- Near East (desert) -- Mar/Aug | 99 |  |  |  |  |  | 10.00 | 20.00 | 20.00 | 30.00 | 80.00 |

## Area Size

|  |  |  |  |
| --- | --- | --- | --- |
| id | value | SortOrder | LongCaption |
| 1 | Small | 1 | (<1 ac) |
| 2 | Medium | 2 | (1-5 ac) |
| 3 | Large | 3 | (5-40 ac) |
| 4 | Very Large | 4 | (>40 ac) |
| 5 | Variable Size | 5 |  |
| 6 | N/A | 6 |  |

## Management Practices (H&B)

|  |  |
| --- | --- |
| id | value |
| 1 | no chemical fertilizer |
| 2 | reduced weed control |
| 3 | leave stubble |
| 4 | leave portion unharvested |
| 5 | seasonal flooding |
| 6 | erosion control |
| 7 | Other |

## Organic Material

|  |  |
| --- | --- |
| id | value |
| 1 | Alfalfa Meal |
| 2 | Bat Guano |
| 3 | Bone Meal |
| 4 | Compost |
| 5 | Corn Gluten Meal |
| 6 | Cottonseed Meal |
| 7 | Earthworm Castings |
| 8 | Feather Meal |
| 9 | Fish Emulsion |
| 10 | Fish Meal |
| 11 | Grass Clippings |
| 12 | Greensand |
| 13 | Liquid Kelp |
| 14 | Manure |
| 15 | Rock Phosphate |
| 16 | Seabird Guano |
| 17 | Seaweed |
| 18 | Shellfish Meal |
| 19 | Soybean Meal |

## Patches

|  |  |
| --- | --- |
| id | value |
| 1 | 0 |
| 2 | 1-5 |
| 3 | 6-10 |
| 4 | 11-25 |
| 5 | 26-50 |
| 6 | 50-100 |
| 7 | >100 |

## County Fips Master

Example of table demonstrating the columns available for use. The full table can be provided upon request.

PENDING

## MLRA CA Only

|  |  |  |
| --- | --- | --- |
| id | MLRA | Description |
| 1 | 14 | Central California Coastal Valleys |
| 2 | 15 | Central California Coastal Range |
| 3 | 16 | California Delta |
| 4 | 17 | Sacramento and San Joaquin Valleys |
| 5 | 18 | Sierra Nevada Foothills |
| 6 | 19 | Southern California Coastal Plain |
| 7 | 20 | Southern California Mountains |
| 8 | 21 | Klamath and Shasta Valleys and Buttes |
| 9 | 22A | Sierra Nevada Mountains |
| 10 | 22B | Southern Cascade Mountains |
| 11 | 23 | Malheur High Plateau |
| 12 | 26 | Carson Basin and Mountains |
| 13 | 29 | Southern Nevada Basin and Range |
| 14 | 30 | Mojave Desert Basin and Range |
| 15 | 31 | Colorado Desert |
| 16 | 4B | California Coastal Redwood Belt |
| 17 | 5 | Siskiyou - Trinity Area |

## SE Practices

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | crop\_type | practice\_cat | practice\_code | practice\_name |
| 1 | annual | till | CT | Conventional |
| 2 | annual | till | RT | Reduced |
| 3 | annual | covercrops | NA | None |
| 4 | annual | covercrops | legume | Grass-Legume Mix |
| 5 | annual | covercrops | nonlegume | Grass |
| 6 | annual | omad | NA | No |
| 7 | annual | omad | omad | Yes |
| 8 | annual | fert | NA | No reduction |
| 9 | annual | fert | red10 | Reduce 10% |
| 10 | annual | fert | red30 | Reduce 30% |
| 11 | woody | till | CT | Conventional |
| 12 | woody | till | RT | No tillage |
| 13 | woody | covercrops | NA | None |
| 14 | woody | covercrops | legume | Grass-Legume Mix |
| 15 | woody | covercrops | nonlegume | Grass |
| 16 | woody | omad | NA | No |
| 17 | woody | omad | omad | Yes |
| 18 | woody | fert | NA | No reduction |
| 19 | woody | fert | red10 | Reduce 10% |
| 20 | woody | fert | red30 | Reduce 30% |