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| **2010 VEGETABLE CHEMICAL USE SURVEY RESPONDENT BOOKLET** |
| **CALIFORNIA** |
| **TARGET CROPS** |
|  | **(FM) = Fresh Market** | **(PR) = Processing** |  |
|  | **CALIFORNIA** |  |
|  | 102 Asparagus | 117 Lettuce, Head |  |
|  | 2131 Beans, Snap (FM) | 149 Lettuce, Other |  |
|  | 104 Broccoli | 120 Onions, Bulb |  |
|  | 2106 Cabbage (FM) | 126 Peppers, Bell |  |
|  | 4 Cantaloupe | 128 Pumpkins |  |
|  | 2107 Carrots (FM) | 2132 Spinach (FM) |  |
|  | 4107 Carrots (PR) | 1188 Squash, Summer |  |
|  | 108 Cauliflower | 3188 Squash, Winter |  |
|  | 109 Celery | 74 Strawberries |  |
|  | 2110 Corn, Sweet (FM) | 2134 Tomatoes (FM) |  |
|  | 2111 Cucumbers (FM) | 4134 Tomatoes (PR) |  |
|  | 114 Garlic | 33 Watermelons |  |
|  | 13 Honeydews |  |  |

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| **COMMON FERTILIZERS AND THEIR PERCENT ANALYSIS** |
| [Enumerator Note: *If Respondent cannot report the formulation for Section C, column 7, use the formulations below.*] |
|  | **Percent Active Ingredients** |
| **Name** | **Form** | **N** | **P2O5** | **K2O** | **S** |
| Ammonia. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D/L | 80 | --- | --- | --- |
| Ammoniated superphosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 12-17 | 22-35 | --- | --- |
| Ammonium metaphosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 12 | 51 | --- | --- |
| Ammonium nitrate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 32-34 | --- | --- | --- |
| Ammonium phosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 11-18 | 46-48 | --- | --- |
| Ammonium phosphate nitrate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 27-30 | 10-15 | --- | --- |
| Ammonium phosphate sulfate (APS). . . . . . . . . . . . . . . . . . . . . . . . .  | D | 13-16 | 20 | --- | 15 |
| Ammonium polyphosphate (APP). . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | 10-11 | 34-37 | --- | --- |
| Ammonium polysulfide (Ammonium Sulfate). . . . . . . . . . . . . . . . . . . .  | L | 20-21 | --- | --- | 24 |
| Ammonium sulfate nitrate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 20-30 | --- | --- | 5 |
| Ammonium thiosulfate solution. . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | 12 | --- | --- | 26 |
| Anhydrous ammonia. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L/G | 82 | --- | --- | --- |
| Aqua ammonia (Ammonium Hydroxide). . . . . . . . . . . . . . . . . . . . . . .  | L | 16-25 | --- | --- | --- |
| Bone meal. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 0-2 | 10-20 | --- | --- |
| Calcium ammonium nitrate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 15-16 | --- | --- | --- |
| Diammonium phosphate sulfur. . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 15-16 | 39-41 | --- | --- |
| Diammonium phosphate (DAP). . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 16-21 | 46-53 | --- | --- |
| Elemental sulfur. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | --- | --- | 52-100 |

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| **COMMON FERTILIZERS AND THEIR PERCENT ANALYSIS** |
| [Enumerator Note: *If Respondent cannot report the formulation for Section C, column 7, use the formulations below.*] |
|  | **Percent Active Ingredients** |
| **Name** | **Form** | **N** | **P2O5** | **K2O** | **S** |
| Greensand. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 1 | 6 | --- |
| Magnesium sulfate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | --- | --- | 13 |
| Mixed fertilizer. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 2 | 6 | 12 | --- |
|  |  | 3 | 9 | 18 | --- |
|  |  | 3 | 10 | 30 | --- |
|  |  | 5 | 10 | 15 | --- |
|  |  | 5 | 10 | 30 | --- |
|  |  | 5 | 15 | 30 | --- |
|  |  | 8 | 24 | 24 | --- |
|  |  | 9 | 18 | 9 | --- |
|  |  | 10 | 34 | --- | --- |
| Monoammonium phosphate (MAP). . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 11-13 | 48-62 | --- | --- |
| Natralene. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D/L | 40 | --- | --- | --- |
| Nitrogen solutions. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | 7-58 | --- | --- | --- |
| Nitric phosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 12-17 | 22-35 | --- | --- |
| Phosphate rock. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 2-35 | --- | --- |
| Phosphoric acid. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | --- | 2-76 | --- | --- |
| Potassium carbonate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | --- | 34-48 | --- |
| Potassium chloride (Muriate of potash). . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | --- | 60-62 | --- |
| Potassium magnesium sulfate. . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | --- | 22 | 23 |
| Potassium metaphosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 55-57 | 37-38 | --- |
| Potassium nitrate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 13 | --- | 44 | --- |
| Potassium orthophosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 30-60 | 30-50 | --- |
| Potassium polyphosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | --- | 40-60 | 22-48 | --- |
| Potassium sodium nitrate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 15 | --- | 14-15 | --- |
| Potassium solutions. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | --- | --- | 13-15 | --- |
| Potassium sulfate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | --- | 50-53 | 16 |
| Sodium nitrate (Nitrate of Soda). . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 15-16 | --- | --- | --- |
| Sulfuric acid. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | --- | --- | --- | 20-26 |
| Super phosphate (22% & under). . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 16-22 | --- | 11 |
| Super phosphate (over 22%). . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 23-39 | --- | 11 |
| Triple super phosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | --- | 40-54 | --- | 11 |
| Urea. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 45-46 | --- | --- | --- |
| Urea, sulfur coated. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 36-38 | --- | --- | 13-16 |
| Urea ammonium phosphate. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | D | 25-58 | 28-35 | --- | --- |
| Urea ammonium nitrate (UAN). . . . . . . . . . . . . . . . . . . . . . . . . . . . .  | L | 28-32 | --- | --- | --- |

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