

**Pennsylvania Department of Agriculture  
Bureau of Plant Industry  
Fertilizer Laboratory Tests**

Date Range: 7/1/2016 to 6/30/2017

**Advanced Turf Solutions - 12955 Ford Dr Fishers IN 46038-2899 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Age Old Organics - 2001 W Main St. Mendota IL 61342-1099 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Agricultural Commodities Inc - 1585 Granite Station Rd Gettysburg PA 17325-8299 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600506                      | N                     | 33.00 %           | 29.76 %      | F              |
|                                 | TCV                   | 100.00 %          | 90.18 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Agronomy Inc - 28 Fry Street PO Box 210 Mercersburg PA 17236 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600500                      | N                     | 5.00 %            | 3.68 %       | F              |
|                                 | P2O5                  | 10.00 %           | 8.56 %       | F              |
|                                 | K2O                   | 10.00 %           | 8.85 %       | F              |
|                                 | TCV                   | 100.00 %          | 83.79 %      | F              |
| E201600501                      | P2O5                  | 20.00 %           | 15.08 %      | F              |
|                                 | TCV                   | 100.00 %          | 82.22 %      | F              |
| E201600502                      | P2O5                  | 30.00 %           | 25.81 %      | F              |
|                                 | TCV                   | 100.00 %          | 92.33 %      | F              |
| E201600503                      | N                     | 15.00 %           | 13.06 %      | F              |
|                                 | K2O                   | 15.00 %           | 13.22 %      | F              |
|                                 | TCV                   | 100.00 %          | 89.61 %      | F              |
| E201600504                      | N                     | 10.00 %           | 8.73 %       | F              |
|                                 | P2O5                  | 20.00 %           | 17.34 %      | F              |
|                                 | K2O                   | 10.00 %           | 7.77 %       | F              |
|                                 | TCV                   | 100.00 %          | 84.95 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>5</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>83.33 %</b> |

**Albright's Mill, LLC - 9927 Kistler Valley Road Kempton PA 19529 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

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**Algoplus - 6833 Phillips Industrial Blvd Jacksonville FL 32256-3029 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Andersons Lawn Fertilizer Division Inc - PO BOX 119 Maumee OH 43537 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600542                      | TCV                   | 100.00 %          | 93.65 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>25.00 %</b> |

**Andre & Son Inc - 17150 State Route 706 Montrose PA 18801-9771 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600014       | N                     | 10.00 %           | 7.48 %       | F             |
|                  | P2O5                  | 20.00 %           | 15.31 %      | F             |
|                  | K2O                   | 5.00 %            | 3.45 %       | F             |
|                  | TCV                   | 100.00 %          | 75.09 %      | F             |
| E201600016       | TCV                   | 100.00 %          | 96.24 %      | F             |
| E201600018       | N                     | 22.00 %           | 19.64 %      | F             |
|                  | K2O                   | 4.00 %            | 3.38 %       | F             |
|                  | TCV                   | 100.00 %          | 91.59 %      | F             |
| E201600020       | K2O                   | 4.00 %            | 2.65 %       | F             |
| E201600193       | K2O                   | 3.00 %            | 2.60 %       | F             |
| E201600194       | N                     | 10.00 %           | 8.44 %       | F             |
|                  | P2O5                  | 20.00 %           | 15.78 %      | F             |
|                  | K2O                   | 5.00 %            | 2.73 %       | F             |
|                  | TCV                   | 100.00 %          | 77.76 %      | F             |
| E201600195       | N                     | 20.00 %           | 15.24 %      | F             |
|                  | TCV                   | 100.00 %          | 76.20 %      | F             |
| E201600196       | TCV                   | 100.00 %          | 94.77 %      | F             |
| E201600197       | N                     | 22.00 %           | 19.38 %      | F             |
|                  | P2O5                  | 4.00 %            | 3.05 %       | F             |
|                  | K2O                   | 4.00 %            | 3.13 %       | F             |
|                  | TCV                   | 100.00 %          | 85.61 %      | F             |
| E201600243       | N                     | 18.00 %           | 15.39 %      | F             |
|                  | K2O                   | 3.00 %            | 2.35 %       | F             |
|                  | TCV                   | 100.00 %          | 84.71 %      | F             |
| E201600244       | K2O                   | 3.00 %            | 2.16 %       | F             |
|                  | TCV                   | 100.00 %          | 88.55 %      | F             |
| E201600247       | N                     | 18.00 %           | 15.40 %      | F             |
|                  | TCV                   | 100.00 %          | 86.38 %      | F             |
| E201600248       | K2O                   | 3.00 %            | 2.41 %       | F             |
|                  | TCV                   | 100.00 %          | 87.84 %      | F             |
|                  | N                     | 18.00 %           | 15.98 %      | F             |

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**Andre & Son Inc - 17150 State Route 706 Montrose PA 18801-9771 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600288                      | N                     | 14.00 %           | 11.78 %      | F              |
|                                 | P2O5                  | 14.00 %           | 10.35 %      | F              |
|                                 | K2O                   | 14.00 %           | 11.10 %      | F              |
|                                 | TCV                   | 100.00 %          | 79.36 %      | F              |
| E201600289                      | P2O5                  | 24.00 %           | 20.87 %      | F              |
|                                 | TCV                   | 100.00 %          | 90.17 %      | F              |
| E201600352                      | P2O5                  | 14.00 %           | 11.46 %      | F              |
|                                 | K2O                   | 14.00 %           | 10.36 %      | F              |
|                                 | TCV                   | 100.00 %          | 87.26 %      | F              |
| E201600585                      | TCV                   | 100.00 %          | 94.10 %      | F              |
| E201600587                      | K2O                   | 30.00 %           | 26.80 %      | F              |
| E201600589                      | K2O                   | 10.00 %           | 8.76 %       | F              |
|                                 | TCV                   | 100.00 %          | 90.28 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>19</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>28</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>67.86 %</b> |

**Anuvia Florida LLC - 6751 West Jones Avenue Zellwood FL 32798 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Aurora Innovations - 29862 East Enid Road Eugene OR 97402 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Bedford Farm Bureau Co-op Somerset - 141 Maurice Lane Rockwood PA 15557 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600190                      | N                     | 10.00 %           | 8.60 %       | F              |
|                                 | K2O                   | 10.00 %           | 8.48 %       | F              |
|                                 | TCV                   | 100.00 %          | 88.59 %      | F              |
| E201600392                      | TCV                   | 100.00 %          | 95.33 %      | F              |
| E201600395                      | K2O                   | 38.00 %           | 35.95 %      | F              |
| E201600396                      | TCV                   | 100.00 %          | 95.18 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>4</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>11</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>36.36 %</b> |

**Bedford Farm Bureau Coop Assn - 102 Industrial Ave Bedford PA 15522 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600407       | K2O                   | 9.00 %            | 7.86 %       | F             |

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**Bedford Farm Bureau Coop Assn - 102 Industrial Ave Bedford PA 15522 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600408                      | N                     | 14.00 %           | 12.32 %      | F               |
| E201600409                      | N                     | 12.00 %           | 10.35 %      | F               |
|                                 | P2O5                  | 25.00 %           | 22.97 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Black Gold Envirosafe Inc - Po Box 190 Oxford FL 34484-0190 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600041                      | P2O5                  | 5.00 %            | 4.08 %       | F              |
| E201600043                      | K2O                   | 5.00 %            | 3.75 %       | F              |
| E201600258                      | K2O                   | 5.00 %            | 4.47 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>60.00 %</b> |

**Bonide Products Inc. - 6301 Sutliff Rd Oriskany NY 13424-4341 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Bricker's Choice - 5849 Front St PO Box 174 Marion PA 17235 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600473                      | N                     | 5.00 %            | 3.68 %       | F              |
|                                 | P2O5                  | 10.00 %           | 7.62 %       | F              |
|                                 | K2O                   | 10.00 %           | 7.37 %       | F              |
|                                 | TCV                   | 100.00 %          | 74.71 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Cameron Chemical Inc - 830 Old Dill Road Suffolk VA 23434 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600423                      | Fe                    | 50.00 %           | 46.20 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Campbell Crops - 380 N Pine St Elizabethville PA 17023-9352 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

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**Centerra Co-op - 2260 Church St Mill Village PA 16427 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                   |               |
|------------------|-----------------------|-------------------|--------------|---------------------------------|---------------|
|                  |                       |                   |              | <b>Total Samples Failed:</b>    | <b>0</b>      |
|                  |                       |                   |              | <b>Total Samples Submitted:</b> | <b>2</b>      |
|                  |                       |                   |              | <b>Deficiency Rate:</b>         | <b>0.00 %</b> |

**Centerra Co-op - 3992 State Route 208 New Wilmington PA 16142-4509 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                   |                |
|------------------|-----------------------|-------------------|--------------|---------------------------------|----------------|
| E201600655       | P2O5                  | 26.00 %           | 23.72 %      | F                               |                |
|                  |                       |                   |              | <b>Total Samples Failed:</b>    | <b>1</b>       |
|                  |                       |                   |              | <b>Total Samples Submitted:</b> | <b>2</b>       |
|                  |                       |                   |              | <b>Deficiency Rate:</b>         | <b>50.00 %</b> |

**Central Garden & Pet Garden Division - c/o Registrations By Design, Inc. 1000 Parkwood Circle, Suite 700 Atlanta GA 30339-6627 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                   |               |
|------------------|-----------------------|-------------------|--------------|---------------------------------|---------------|
|                  |                       |                   |              | <b>Total Samples Failed:</b>    | <b>0</b>      |
|                  |                       |                   |              | <b>Total Samples Submitted:</b> | <b>3</b>      |
|                  |                       |                   |              | <b>Deficiency Rate:</b>         | <b>0.00 %</b> |

**Chamberlin & Barclay Inc - 2 Hightstown Cranbury Station Rd Cranbury NJ 08512-5007 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                   |               |
|------------------|-----------------------|-------------------|--------------|---------------------------------|---------------|
|                  |                       |                   |              | <b>Total Samples Failed:</b>    | <b>0</b>      |
|                  |                       |                   |              | <b>Total Samples Submitted:</b> | <b>1</b>      |
|                  |                       |                   |              | <b>Deficiency Rate:</b>         | <b>0.00 %</b> |

**Chemgro Fertilizer Co Inc - 1550 State St East Petersburg PA 17520-1318 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                   |                |
|------------------|-----------------------|-------------------|--------------|---------------------------------|----------------|
| E201600491       | TCV                   | 100.00 %          | 95.94 %      | F                               |                |
| E201600492       | TCV                   | 100.00 %          | 96.75 %      | F                               |                |
| E201600495       | N                     | 12.00 %           | 9.98 %       | F                               |                |
|                  | P2O5                  | 4.00 %            | 3.00 %       | F                               |                |
|                  | K2O                   | 4.00 %            | 2.90 %       | F                               |                |
|                  | TCV                   | 100.00 %          | 79.90 %      | F                               |                |
|                  |                       |                   |              | <b>Total Samples Failed:</b>    | <b>3</b>       |
|                  |                       |                   |              | <b>Total Samples Submitted:</b> | <b>4</b>       |
|                  |                       |                   |              | <b>Deficiency Rate:</b>         | <b>75.00 %</b> |

**Clemens Food Group - 2700 Clemens Rd Hatfield PA 19440-4202 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                   |                 |
|------------------|-----------------------|-------------------|--------------|---------------------------------|-----------------|
| E201600058       | P2O5                  | 3.00 %            | 2.00 %       | F                               |                 |
|                  | TCV                   | 100.00 %          | 82.15 %      | F                               |                 |
|                  |                       |                   |              | <b>Total Samples Failed:</b>    | <b>1</b>        |
|                  |                       |                   |              | <b>Total Samples Submitted:</b> | <b>1</b>        |
|                  |                       |                   |              | <b>Deficiency Rate:</b>         | <b>100.00 %</b> |

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**Coast Of Maine - 145 Newbury Street Portland ME 04101 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600209                      | Mg                    | 1.00 %            | 0.64 %       | F              |
| E201600401                      | K2O                   | 4.00 %            | 3.41 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>66.67 %</b> |

**Crop Production Services Inc - 41 Greenleaf Rd Bloomsburg PA 17815-6573 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600601                      | Zn                    | 0.64 %            | 0.37 %       | F              |
|                                 | TCV                   | 100.00 %          | 96.63 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Curwensville Feed Store Inc - 224 Filbert Street Curwensville PA 16833 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600683                      | K2O                   | 10.00 %           | 1.45 %       | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Darling Ingredients, Inc. - 251 O'Connor Ridge Blvd #300 Irving TX 75038 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600174                      | Mg                    | 2.20 %            | 1.56 %       | F              |
| E201600466                      | K2O                   | 4.00 %            | 3.13 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Darling Ingredients, Inc. dba Griffin Industries, - 4221 Alexandria Pike Cold Spring KY 41076 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Dayton Farm Supply - 118 Agway Ln Dayton PA 16222-4702 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600594                      | P2O5                  | 19.37 %           | 17.12 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Delcarm, LLC - 756 Street Rd Cochranville PA 19330-9469 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
|------------------|-----------------------|-------------------|--------------|---------------|

**Pennsylvania Department of Agriculture  
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Date Range: 7/1/2016 to 6/30/2017

Total Samples Failed: 0  
Total Samples Submitted: 1  
Deficiency Rate: 0.00 %

**Down To Earth Distributors Inc - Po Box 1419 Eugene OR 97440-1419 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>              |
|------------------|-----------------------|-------------------|--------------|----------------------------|
| E201600432       | K2O                   | 3.00 %            | 2.54 %       | F                          |
|                  |                       |                   |              | Total Samples Failed: 1    |
|                  |                       |                   |              | Total Samples Submitted: 4 |
|                  |                       |                   |              | Deficiency Rate: 25.00 %   |

**Dr Earth INC - PO BOX 460 Winters CA 95694 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>               |
|------------------|-----------------------|-------------------|--------------|-----------------------------|
|                  |                       |                   |              | Total Samples Failed: 0     |
|                  |                       |                   |              | Total Samples Submitted: 11 |
|                  |                       |                   |              | Deficiency Rate: 0.00 %     |

**E.H. Griffith, Inc - 2250 Palmer Street Pittsburgh PA 15218 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>              |
|------------------|-----------------------|-------------------|--------------|----------------------------|
|                  |                       |                   |              | Total Samples Failed: 0    |
|                  |                       |                   |              | Total Samples Submitted: 1 |
|                  |                       |                   |              | Deficiency Rate: 0.00 %    |

**Earthworks Nat Organic Stds - 30 Morgan Hill Rd Easton PA 18042-6930 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>              |
|------------------|-----------------------|-------------------|--------------|----------------------------|
|                  |                       |                   |              | Total Samples Failed: 0    |
|                  |                       |                   |              | Total Samples Submitted: 1 |
|                  |                       |                   |              | Deficiency Rate: 0.00 %    |

**Easy Gardener, Inc. - Po Box 21025 Waco TX 76702-1025 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>               |
|------------------|-----------------------|-------------------|--------------|-----------------------------|
| E201600547       | K2O                   | 6.00 %            | 5.18 %       | F                           |
|                  |                       |                   |              | Total Samples Failed: 1     |
|                  |                       |                   |              | Total Samples Submitted: 10 |
|                  |                       |                   |              | Deficiency Rate: 10.00 %    |

**EcoScraps Inc - PO Box 731 Sandy UT 84091-0731 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>               |
|------------------|-----------------------|-------------------|--------------|-----------------------------|
| E201600119       | N                     | 4.00 %            | 3.51 %       | F                           |
| E201600185       | N                     | 2.00 %            | 1.73 %       | F                           |
| E201600208       | N                     | 2.00 %            | 1.67 %       | F                           |
|                  |                       |                   |              | Total Samples Failed: 3     |
|                  |                       |                   |              | Total Samples Submitted: 14 |
|                  |                       |                   |              | Deficiency Rate: 21.43 %    |

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**Envirokure, Inc - 5222 Comly St Philadelphia PA 19135-4315 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600140                      | TCV                   | 100.00 %          | 93.29 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Espoma Co., The - 6 Espoma Rd Millville NJ 08332 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600250                      | Ca                    | 8.00 %            | 6.79 %       | F              |
| E201600362                      | TCV                   | 100.00 %          | 79.78 %      | F              |
|                                 | P2O5                  | 2.00 %            | 0.73 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>7</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>28.57 %</b> |

**Fertrell Company, The - Po Box 265 Rt 241 & 441 Bainbridge PA 17502 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600028                      | N                     | 5.00 %            | 3.30 %       | F              |
|                                 | TCV                   | 100.00 %          | 92.56 %      | F              |
| E201600029                      | K2O                   | 1.00 %            | 0.27 %       | F              |
| E201600030                      | N                     | 5.00 %            | 4.39 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>60.00 %</b> |

**Fisher & Son Company Inc - 110 Summit Dr Exton PA 19341-2838 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600666                      | K2O                   | 4.00 %            | 3.17 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**FoxFarm Soil & Fertilizer Company - Po Box 787 Arcata CA 95518-0787 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Foxfarm Soil and Fertilizer - PO BOX 787 1220 5th St Arcata CA 95518 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |



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**Green Acres Garden Center - 2469 New Holland Pike Lancaster PA 17601-5935 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600186                      | K2O                   | 1.00 %            | 0.76 %       | F               |
|                                 | TCV                   | 100.00 %          | 96.08 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Gro Tec Inc - P.O. Box 290 Madison GA 30650 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600273                      | P2O5                  | 10.00 %           | 8.88 %       | F              |
|                                 | K2O                   | 10.00 %           | 8.30 %       | F              |
|                                 | TCV                   | 100.00 %          | 87.63 %      | F              |
| E201600568                      | N                     | 8.00 %            | 6.83 %       | F              |
|                                 | P2O5                  | 12.00 %           | 9.10 %       | F              |
|                                 | TCV                   | 100.00 %          | 82.96 %      | F              |
| E201600631                      | TCV                   | 100.00 %          | 92.56 %      | F              |
|                                 | P2O5                  | 24.00 %           | 21.52 %      | F              |
| E201600707                      | K2O                   | 12.00 %           | 10.65 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>4</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>16</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>25.00 %</b> |

**Gro-mor Plant Food Co - 281 Farmland Rd Leola PA 17540 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Growmark FS LLC - 656 Tarrtown Rd Adrian PA 16210-1218 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600578                      | K2O                   | 16.00 %           | 14.12 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Growmark FS LLC - 200 Packer Ave PO Box 71 Towanda PA 18848 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600412                      | TCV                   | 100.00 %          | 96.60 %      | F               |
| E201600413                      | N                     | 18.00 %           | 16.07 %      | F               |
| E201600416                      | TCV                   | 100.00 %          | 95.52 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

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**Growmark FS LLC - 308 NE Front St Milford DE 19963-1434 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600212                      | K2O                   | 8.00 %            | 6.30 %       | F              |
| E201600414                      | TCV                   | 100.00 %          | 95.12 %      | F              |
| E201600690                      | K2O                   | 20.00 %           | 17.17 %      | F              |
|                                 | TCV                   | 100.00 %          | 94.45 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>18</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>16.67 %</b> |

**Growmark FS LLC - 520 E North St Carlisle PA 17013-2638 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Growmark FS LLC - 308 NE Front St Milford DE 19963-1434 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600342                      | P2O5                  | 20.00 %           | 17.98 %      | F              |
|                                 | K2O                   | 20.00 %           | 17.07 %      | F              |
|                                 | TCV                   | 100.00 %          | 91.15 %      | F              |
| E201600343                      | K2O                   | 19.00 %           | 16.90 %      | F              |
| E201600426                      | P2O5                  | 20.00 %           | 17.52 %      | F              |
| E201600427                      | P2O5                  | 17.00 %           | 15.08 %      | F              |
| E201600428                      | P2O5                  | 24.00 %           | 19.95 %      | F              |
|                                 | TCV                   | 100.00 %          | 90.31 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>5</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>83.33 %</b> |

**Growmark FS LLC - 1633 Curryville Rd PO Box 125 Curryville PA 16662 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Growmark FS LLC - 152 Railroad ST Bedford PA 15522 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Growmark FS LLC - 1016 Route 519 Eighty Four PA 15330-2812 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600551       | N                     | 3.00 %            | 2.19 %       | F             |
|                  | P2O5                  | 9.00 %            | 5.91 %       | F             |

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**Growmark FS LLC - 1016 Route 519 Eighty Four PA 15330-2812 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600552                      | K2O                   | 27.00 %           | 22.12 %      | F              |
|                                 | TCV                   | 100.00 %          | 76.94 %      | F              |
|                                 | N                     | 6.70 %            | 4.42 %       | F              |
|                                 | P2O5                  | 13.40 %           | 8.21 %       | F              |
|                                 | K2O                   | 13.40 %           | 10.87 %      | F              |
| E201600555                      | TCV                   | 100.00 %          | 69.36 %      | F              |
|                                 | K2O                   | 40.00 %           | 36.00 %      | F              |
|                                 | TCV                   | 100.00 %          | 95.30 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>60.00 %</b> |

**Growmark FS LLC - 1694 North Center Ave Somerset PA 15501 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Growmark FS, LLC bda Codorus Fertilizer Service - 4 Kraft Mill Rd Po Box 220 Codorus PA 17311 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600235                      | P2O5                  | 15.00 %           | 13.44 %      | F              |
| E201600236                      | N                     | 10.00 %           | 5.96 %       | F              |
|                                 | P2O5                  | 10.00 %           | 5.40 %       | F              |
|                                 | K2O                   | 10.00 %           | 6.87 %       | F              |
| E201600528                      | TCV                   | 100.00 %          | 60.32 %      | F              |
|                                 | TCV                   | 100.00 %          | 96.70 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>11</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>27.27 %</b> |

**Growmark Inc - 1701 Towanda Ave PO Box 2500 Bloomington IL 61701-2057 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Growmark, Inc. - 1701 Towanda Ave Bloomington IL 61701 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600382                      | P2O5                  | 25.00 %           | 22.19 %      | F              |
|                                 | TCV                   | 100.00 %          | 94.95 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>20.00 %</b> |

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**Harrell's LLC - Po Box 807 Lakeland FL 33802-0807 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600125                      | P2O5                  | 20.00 %           | 17.66 %      | F              |
| E201600443                      | K2O                   | 5.00 %            | 2.59 %       | F              |
|                                 | TCV                   | 100.00 %          | 92.28 %      | F              |
| E201600445                      | TCV                   | 100.00 %          | 94.83 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>60.00 %</b> |

**Harsco Metals and Minerals - 359 N Pike Rd Sarver PA 16055-8633 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600109                      | Ca                    | 24.00 %           | 21.44 %      | F              |
|                                 | Mg                    | 5.00 %            | 2.96 %       | F              |
| E201600110                      | Ca                    | 28.00 %           | 24.26 %      | F              |
|                                 | Mg                    | 5.00 %            | 3.64 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>66.67 %</b> |

**Helena Chemical - 2413 Pennington Rd PO Box 131 Warriors Mark PA 16877-0131 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600321                      | N                     | 5.00 %            | 4.20 %       | F              |
|                                 | P2O5                  | 11.00 %           | 8.40 %       | F              |
| E201600322                      | P2O5                  | 30.00 %           | 26.81 %      | F              |
|                                 | TCV                   | 100.00 %          | 93.28 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Helena Chemical Co. - 225 Shilling Boulevard Collierville TN 38017 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Helena Chemical Company - 611 Ridge Rd New Enterprise PA 16664-8526 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600512                      | TCV                   | 100.00 %          | 96.74 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Hildenbrand Lime & Fertilizer - 848 Waltz Mill Road Ruffsedale PA 15679 US**

| <u>Sample ID</u>             | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b> |                       |                   |              | <b>0</b>      |

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**Total Samples Submitted: 1  
Deficiency Rate: 0.00 %**

**Holganix LLC - 54 Conchester Rd Glen Mills PA 19342-1506 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                     |
|------------------|-----------------------|-------------------|--------------|-----------------------------------|
| E201600672       | P2O5                  | 3.00 %            | 2.31 %       | F                                 |
|                  |                       |                   |              | <b>Total Samples Failed: 1</b>    |
|                  |                       |                   |              | <b>Total Samples Submitted: 3</b> |
|                  |                       |                   |              | <b>Deficiency Rate: 33.33 %</b>   |

**Hoopes Fertilizer Works, Inc - 24104 U S Rt 30 E. Rochester OH 44625 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                     |
|------------------|-----------------------|-------------------|--------------|-----------------------------------|
|                  |                       |                   |              | <b>Total Samples Failed: 0</b>    |
|                  |                       |                   |              | <b>Total Samples Submitted: 1</b> |
|                  |                       |                   |              | <b>Deficiency Rate: 0.00 %</b>    |

**Hostetter Farm Supply Inc - 4855 Hanover Road Hanover PA 17331 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                     |
|------------------|-----------------------|-------------------|--------------|-----------------------------------|
|                  |                       |                   |              | <b>Total Samples Failed: 0</b>    |
|                  |                       |                   |              | <b>Total Samples Submitted: 3</b> |
|                  |                       |                   |              | <b>Deficiency Rate: 0.00 %</b>    |

**International Mulch Company, Inc. - PO Box 31366 Des Peres MO 63131 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                      |
|------------------|-----------------------|-------------------|--------------|------------------------------------|
|                  |                       |                   |              | <b>Total Samples Failed: 0</b>     |
|                  |                       |                   |              | <b>Total Samples Submitted: 11</b> |
|                  |                       |                   |              | <b>Deficiency Rate: 0.00 %</b>     |

**John Deere Landscapes / Lesco Inc. - 1385 E 36th Street Cleveland OH 44114-1849 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                     |
|------------------|-----------------------|-------------------|--------------|-----------------------------------|
| E201600626       | P2O5                  | 2.00 %            | 1.64 %       | F                                 |
|                  | K2O                   | 11.00 %           | 9.34 %       | F                                 |
|                  |                       |                   |              | <b>Total Samples Failed: 1</b>    |
|                  |                       |                   |              | <b>Total Samples Submitted: 1</b> |
|                  |                       |                   |              | <b>Deficiency Rate: 100.00 %</b>  |

**Jonathan Green, Inc. - Po Box 326 Farmingdale NJ 07727 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>                     |
|------------------|-----------------------|-------------------|--------------|-----------------------------------|
| E201600222       | P2O5                  | 3.00 %            | 0.21 %       | F                                 |
|                  | K2O                   | 4.00 %            | 3.13 %       | F                                 |
|                  | TCV                   | 100.00 %          | 94.18 %      | F                                 |
|                  |                       |                   |              | <b>Total Samples Failed: 1</b>    |
|                  |                       |                   |              | <b>Total Samples Submitted: 1</b> |
|                  |                       |                   |              | <b>Deficiency Rate: 100.00 %</b>  |

**JR Peters Inc. - 6656 Grant Way Allentown PA 18106 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
|------------------|-----------------------|-------------------|--------------|---------------|

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**Total Samples Failed: 0**  
**Total Samples Submitted: 12**  
**Deficiency Rate: 0.00 %**

**Judsons Inc - 6872 Austinville Rd Columbia Cross Roads PA 16914 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600469                      | N                     | 30.00 %           | 27.77 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Kellogg Garden Products - 350 W Sepulveda Blvd Carson CA 90745 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Kepner Farm Supply LLC - 429 Maple Lane Muncy PA 17756 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600602                      | TCV                   | 100.00 %          | 94.37 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Kirby Agri Inc - 2313 Norman Rd Lancaster PA 17601 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600149                      | N                     | 18.00 %           | 16.02 %      | F              |
|                                 | K2O                   | 5.00 %            | 4.25 %       | F              |
|                                 | TCV                   | 100.00 %          | 88.31 %      | F              |
| E201600166                      | N                     | 10.00 %           | 7.04 %       | F              |
|                                 | P2O5                  | 6.00 %            | 5.00 %       | F              |
|                                 | TCV                   | 100.00 %          | 78.76 %      | F              |
| E201600170                      | P2O5                  | 6.00 %            | 5.01 %       | F              |
|                                 | K2O                   | 4.00 %            | 3.42 %       | F              |
|                                 | TCV                   | 100.00 %          | 92.77 %      | F              |
| E201600344                      | P2O5                  | 24.00 %           | 21.48 %      | F              |
|                                 | K2O                   | 5.00 %            | 4.19 %       | F              |
|                                 | TCV                   | 100.00 %          | 91.42 %      | F              |
| E201600662                      | N                     | 10.00 %           | 8.78 %       | F              |
|                                 | K2O                   | 15.00 %           | 12.20 %      | F              |
|                                 | TCV                   | 100.00 %          | 87.26 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>5</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>13</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>38.46 %</b> |

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**Kirby Agri, Inc. - 500 Running Pump Road Lancaster PA 17607-6277 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600007       | N                     | 19.00 %           | 13.59 %      | F             |
|                  | K2O                   | 5.00 %            | 3.25 %       | F             |
|                  | TCV                   | 100.00 %          | 70.46 %      | F             |
| E201600009       | K2O                   | 8.00 %            | 5.68 %       | F             |
|                  | TCV                   | 100.00 %          | 95.49 %      | F             |
| E201600012       | N                     | 5.00 %            | 4.26 %       | F             |
|                  | K2O                   | 10.00 %           | 8.66 %       | F             |
|                  | TCV                   | 100.00 %          | 86.04 %      | F             |
| E201600013       | N                     | 8.00 %            | 6.78 %       | F             |
|                  | P2O5                  | 24.00 %           | 21.19 %      | F             |
|                  | TCV                   | 100.00 %          | 88.90 %      | F             |
| E201600033       | TCV                   | 100.00 %          | 95.77 %      | F             |
| E201600039       | TCV                   | 100.00 %          | 92.54 %      | F             |
| E201600046       | N                     | 10.00 %           | 8.44 %       | F             |
|                  | P2O5                  | 6.00 %            | 4.93 %       | F             |
|                  | TCV                   | 100.00 %          | 87.58 %      | F             |
| E201600057       | N                     | 10.00 %           | 8.69 %       | F             |
|                  | P2O5                  | 10.00 %           | 8.92 %       | F             |
|                  | TCV                   | 100.00 %          | 94.56 %      | F             |
| E201600182       | P2O5                  | 10.00 %           | 8.86 %       | F             |
| E201600240       | TCV                   | 100.00 %          | 96.40 %      | F             |
|                  | P2O5                  | 10.00 %           | 8.69 %       | F             |
| E201600336       | K2O                   | 10.00 %           | 7.00 %       | F             |
|                  | TCV                   | 100.00 %          | 93.59 %      | F             |
| E201600341       | K2O                   | 8.00 %            | 6.91 %       | F             |
| E201600347       | N                     | 15.00 %           | 12.28 %      | F             |
|                  | K2O                   | 15.00 %           | 12.53 %      | F             |
|                  | TCV                   | 100.00 %          | 89.59 %      | F             |
| E201600348       | N                     | 10.00 %           | 8.30 %       | F             |
|                  | K2O                   | 10.00 %           | 8.21 %       | F             |
|                  | TCV                   | 100.00 %          | 85.61 %      | F             |
| E201600349       | K2O                   | 10.00 %           | 8.53 %       | F             |
|                  | TCV                   | 100.00 %          | 90.01 %      | F             |
| E201600350       | K2O                   | 10.00 %           | 7.75 %       | F             |
|                  | TCV                   | 100.00 %          | 90.22 %      | F             |
| E201600351       | TCV                   | 100.00 %          | 94.14 %      | F             |
| E201600356       | P2O5                  | 10.00 %           | 8.42 %       | F             |
|                  | K2O                   | 10.00 %           | 7.56 %       | F             |
|                  | TCV                   | 100.00 %          | 85.75 %      | F             |
| E201600376       | TCV                   | 100.00 %          | 94.37 %      | F             |
| E201600419       | P2O5                  | 6.00 %            | 5.09 %       | F             |
|                  | K2O                   | 6.00 %            | 5.10 %       | F             |
|                  | TCV                   | 100.00 %          | 90.19 %      | F             |
| E201600526       | TCV                   | 100.00 %          | 94.84 %      | F             |

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**Kirby Agri, Inc. - 500 Running Pump Road Lancaster PA 17607-6277 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600539                      | K2O                   | 3.00 %            | 2.67 %       | F              |
|                                 | TCV                   | 100.00 %          | 91.55 %      | F              |
| E201600681                      | N                     | 20.00 %           | 16.21 %      | F              |
|                                 | P2O5                  | 10.00 %           | 3.94 %       | F              |
|                                 | TCV                   | 100.00 %          | 72.91 %      | F              |
| E201600686                      | TCV                   | 100.00 %          | 95.95 %      | F              |
| E201600688                      | K2O                   | 40.00 %           | 35.55 %      | F              |
|                                 | TCV                   | 100.00 %          | 91.42 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>25</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>85</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>29.41 %</b> |

**Knox Fertilizer Company Inc - Po Box 248 Knox IN 46534 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600206                      | N                     | 24.00 %           | 19.52 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>20.00 %</b> |

**Kreider, Franklin H. - 2400 Dairy Rd Lancaster PA 17601-2310 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600115                      | K2O                   | 20.00 %           | 17.14 %      | F              |
| E201600646                      | P2O5                  | 20.00 %           | 15.42 %      | F              |
|                                 | K2O                   | 20.00 %           | 13.33 %      | F              |
|                                 | TCV                   | 100.00 %          | 94.05 %      | F              |
| E201600647                      | P2O5                  | 15.00 %           | 10.46 %      | F              |
|                                 | K2O                   | 15.00 %           | 9.22 %       | F              |
|                                 | TCV                   | 100.00 %          | 95.21 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>7</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>42.86 %</b> |

**KSI - 350 W Sepulveda Blvd Carson CA 90745-6389 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Lakeview Fertilizer Inc - 4870 Sandy Lake Greenville Rd Sandy Lake PA 16145-2032 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |



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**Lancaster Ag Products - 60 N Ronks Road Ronks PA 17572 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600112                      | N                     | 2.00 %            | 1.66 %       | F              |
| E201600114                      | N                     | 15.00 %           | 12.38 %      | F              |
|                                 | K2O                   | 5.00 %            | 3.54 %       | F              |
|                                 | TCV                   | 100.00 %          | 83.00 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>66.67 %</b> |

**Lebanon Seaboard Corp - 1600 E Cumberland St Lebanon PA 17042 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600215                      | K2O                   | 14.00 %           | 11.77 %      | F              |
|                                 | TCV                   | 100.00 %          | 95.47 %      | F              |
| E201600216                      | K2O                   | 10.00 %           | 8.85 %       | F              |
|                                 | TCV                   | 100.00 %          | 93.89 %      | F              |
| E201600217                      | N                     | 20.00 %           | 16.76 %      | F              |
|                                 | TCV                   | 100.00 %          | 89.20 %      | F              |
| E201600218                      | K2O                   | 5.00 %            | 4.27 %       | F              |
| E201600281                      | K2O                   | 5.00 %            | 3.36 %       | F              |
|                                 | Fe                    | 1.00 %            | 0.66 %       | F              |
| E201600284                      | K2O                   | 13.00 %           | 10.27 %      | F              |
| E201600355                      | N                     | 18.00 %           | 15.82 %      | F              |
|                                 | TCV                   | 100.00 %          | 96.12 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>7</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>15</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>46.67 %</b> |

**Lilly Miller Brands - 1000 Parkwood Circle Ste 700 Atlanta GA 30339 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Lilly Miller Brands - 2030 Powers Ferry Rd Ste 370 Atlanta GA 30339 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Loveland Products Inc - Po Box 1286 Greeley CO 80632-1286 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600002       | K2O                   | 12.00 %           | 10.35 %      | F             |
| E201600003       | K2O                   | 10.00 %           | 8.10 %       | F             |
|                  | TCV                   | 100.00 %          | 89.60 %      | F             |
| E201600004       | K2O                   | 19.00 %           | 16.02 %      | F             |

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**Loveland Products Inc - Po Box 1286 Greeley CO 80632-1286 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600005                      | P2O5                  | 20.00 %           | 17.16 %      | F              |
|                                 | K2O                   | 20.00 %           | 15.53 %      | F              |
|                                 | TCV                   | 100.00 %          | 87.16 %      | F              |
| E201600069                      | Fe                    | 2.00 %            | 1.23 %       | F              |
| E201600211                      | K2O                   | 10.00 %           | 7.26 %       | F              |
|                                 | Fe                    | 2.00 %            | 0.69 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>6</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>10</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>60.00 %</b> |

**Mainville Ag Services Inc - 360 Main Mifflin Road Bloomsburg PA 17815-6753 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600558                      | K2O                   | 7.00 %            | 6.03 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>25.00 %</b> |

**Mausdale Farm Supply, LLC - 10 Old Valley School Rd Danville PA 17821 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600145                      | N                     | 10.00 %           | 8.75 %       | F              |
|                                 | K2O                   | 20.00 %           | 15.53 %      | F              |
| E201600147                      | N                     | 20.00 %           | 16.36 %      | F              |
|                                 | P2O5                  | 10.00 %           | 8.56 %       | F              |
|                                 | TCV                   | 100.00 %          | 87.52 %      | F              |
| E201600496                      | N                     | 10.00 %           | 8.16 %       | F              |
|                                 | P2O5                  | 20.00 %           | 17.49 %      | F              |
|                                 | K2O                   | 10.00 %           | 8.14 %       | F              |
|                                 | TCV                   | 100.00 %          | 84.48 %      | F              |
| E201600498                      | N                     | 10.00 %           | 8.72 %       | F              |
|                                 | K2O                   | 20.00 %           | 16.35 %      | F              |
|                                 | TCV                   | 100.00 %          | 87.94 %      | F              |
| E201600499                      | N                     | 15.00 %           | 11.08 %      | F              |
|                                 | K2O                   | 15.00 %           | 13.04 %      | F              |
|                                 | TCV                   | 100.00 %          | 84.23 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>5</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>10</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

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**Mcgeary Organics - 941 Wheatland Avenue PO BOX 299 Lancaster PA 17608-0299 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600178                      | K2O                   | 3.00 %            | 2.14 %       | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Meherrin Fertilizer, Inc. - PO Box 310 4136 Severn Road Severn NC 27877 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600104                      | K2O                   | 12.00 %           | 10.40 %      | F              |
| E201600572                      | P2O5                  | 12.00 %           | 10.75 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>66.67 %</b> |

**Mifflinburg Farmers Exchange Inc - 660 Mulberry Street PO Box 26 Mifflinburg PA 17844 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Milwaukee Metropolitan Sewerage Distr - 260 West Seeboth Street Milwaukee WI 53204 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Miracle Gro Lawn Products Inc/dba Scotts - 14111 Scottslawn Road Marysville OH 43041 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**New England Fertilizer - 97 East Howard Street Quincy MA 02169 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Nolt Spreading, LLC - 155 E Wood Corner Rd Lititz PA 17543 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**North East Fruit Growers Inc - 2297 Klomp Road North East PA 16428 US**

**Pennsylvania Department of Agriculture  
Bureau of Plant Industry  
Fertilizer Laboratory Tests**

Date Range: 7/1/2016 to 6/30/2017

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Nutrients Plus LLC - 2133 Upton Dr Ste 126-509 Virginia Beach VA 23454 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600155                      | N                     | 16.00 %           | 13.96 %      | F              |
|                                 | TCV                   | 100.00 %          | 95.69 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Ocean County Utilities - 501 Hickory Ln Bayville NJ 08721-2157 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Ocean Crest Seafoods Inc - 88 Commercial St Gloucester MA 01930-5025 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600711                      | K2O                   | 1.00 %            | 0.65 %       | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Ocean Organics - Po Box 1448 Waldoboro ME 04572-1448 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Ostara USA LLC - Unit 690 1199 West Pender Street Vancouver BC V6E 2R1 CA**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**P L Rohrer & Bro Inc - 2472 Old Philadelphia Pike Po Box 250 Smoketown PA 17576 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600657       | N                     | 10.00 %           | 8.78 %       | F             |
|                  | P2O5                  | 20.00 %           | 17.25 %      | F             |
|                  | K2O                   | 10.00 %           | 7.73 %       | F             |
|                  | TCV                   | 100.00 %          | 84.78 %      | F             |
| E201600660       | P2O5                  | 10.00 %           | 8.59 %       | F             |
|                  | K2O                   | 10.00 %           | 8.70 %       | F             |

**Pennsylvania Department of Agriculture  
Bureau of Plant Industry  
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Date Range: 7/1/2016 to 6/30/2017

**P L Rohrer & Bro Inc - 2472 Old Philadelphia Pike Po Box 250 Smoketown PA 17576 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
|                                 | TCV                   | 100.00 %          | 88.73 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>40.00 %</b> |

**PCS Sales (USA) Inc - 1101 Skokie Blvd Suite 400 Northbrook IL 60062 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Pearl Valley Organix Inc - 968 South Kent Road Pearl City IL 61062 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600378                      | Fe                    | 1.00 %            | 0.69 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Perdue Agri Business, DBA Upper Dauphin Grain - 287 Kocher Ln Elizabethville PA 17023-8771 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600317                      | K2O                   | 10.00 %           | 8.14 %       | F              |
|                                 | TCV                   | 100.00 %          | 89.50 %      | F              |
| E201600318                      | K2O                   | 20.00 %           | 15.10 %      | F              |
|                                 | TCV                   | 100.00 %          | 85.78 %      | F              |
| E201600674                      | N                     | 10.00 %           | 6.79 %       | F              |
|                                 | P2O5                  | 10.00 %           | 8.64 %       | F              |
|                                 | TCV                   | 100.00 %          | 82.10 %      | F              |
| E201600675                      | TCV                   | 100.00 %          | 93.92 %      | F              |
| E201600676                      | TCV                   | 100.00 %          | 85.16 %      | F              |
|                                 | N                     | 20.00 %           | 15.08 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>5</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>10</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Philadelphia Renewable Biofules LLC - 7800 Penrose Ferry Rd Philadelphia PA 19153-3880 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

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**Plant Food Company, Inc - 38 Hightstown Cranbury Station Rd Cranbury NJ 08512-5099 US**

| <u>Sample ID</u>         | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|--------------------------|-----------------------|-------------------|--------------|---------------|
| Total Samples Failed:    |                       |                   |              | 0             |
| Total Samples Submitted: |                       |                   |              | 1             |
| Deficiency Rate:         |                       |                   |              | 0.00 %        |

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**Plant Science Inc - 2934 Vandorf Side Road Gormley ON L0H 1G0 CA**

| <u>Sample ID</u>         | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|--------------------------|-----------------------|-------------------|--------------|---------------|
| Total Samples Failed:    |                       |                   |              | 0             |
| Total Samples Submitted: |                       |                   |              | 1             |
| Deficiency Rate:         |                       |                   |              | 0.00 %        |

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**Purely Organic Products, LLC - 1 New Hampshire Ave, Suite 125 Portsmouth NH 03801 US**

| <u>Sample ID</u>         | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|--------------------------|-----------------------|-------------------|--------------|---------------|
| Total Samples Failed:    |                       |                   |              | 0             |
| Total Samples Submitted: |                       |                   |              | 2             |
| Deficiency Rate:         |                       |                   |              | 0.00 %        |

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**Raymond D Eck & Sons Inc - 112 Harris St PO Box 344 Jersey Shore PA 17740-1112 US**

| <u>Sample ID</u>         | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|--------------------------|-----------------------|-------------------|--------------|---------------|
| Total Samples Failed:    |                       |                   |              | 0             |
| Total Samples Submitted: |                       |                   |              | 6             |
| Deficiency Rate:         |                       |                   |              | 0.00 %        |

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**Red Lion Grain Center - 1000 Delta Road Red Lion PA 17356 US**

| <u>Sample ID</u>         | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|--------------------------|-----------------------|-------------------|--------------|---------------|
| Total Samples Failed:    |                       |                   |              | 0             |
| Total Samples Submitted: |                       |                   |              | 3             |
| Deficiency Rate:         |                       |                   |              | 0.00 %        |

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**Reed & Perrine - Po Box 100 Tennent NJ 07763 US**

| <u>Sample ID</u>         | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|--------------------------|-----------------------|-------------------|--------------|---------------|
| E201600202               | K2O                   | 12.00 %           | 10.14 %      | F             |
| E201600204               | K2O                   | 6.00 %            | 4.40 %       | F             |
| E201600375               | K2O                   | 12.00 %           | 10.44 %      | F             |
| E201600433               | Fe                    | 1.25 %            | 0.76 %       | F             |
| Total Samples Failed:    |                       |                   |              | 4             |
| Total Samples Submitted: |                       |                   |              | 8             |
| Deficiency Rate:         |                       |                   |              | 50.00 %       |

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**Pennsylvania Department of Agriculture  
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Date Range: 7/1/2016 to 6/30/2017

**Risser Grain - Turbotville - 440 Beaver Run Rd Turbotville PA 17772-8513 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600652                      | K2O                   | 20.00 %           | 17.99 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>33.33 %</b> |

**Scotts Company,The - 14111 Scottslawn Rd Marysville OH 43041 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>7</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Scotts Miracle Gro Products Inc - 14111 Scottslawn Road Marysville OH 43041 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600022                      | K2O                   | 16.00 %           | 13.57 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>16.67 %</b> |

**SiteOne Landscape Supply, dba Lesco Inc - Kay Licht - Regulatory Affairs 1385 East 36th Street  
Cleveland OH 44114-4114 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600051                      | K2O                   | 3.00 %            | 2.47 %       | F              |
| E201600052                      | K2O                   | 6.00 %            | 4.96 %       | F              |
|                                 | TCV                   | 100.00 %          | 91.23 %      | F              |
| E201600053                      | N                     | 18.00 %           | 14.46 %      | F              |
|                                 | K2O                   | 3.00 %            | 2.27 %       | F              |
|                                 | TCV                   | 100.00 %          | 79.82 %      | F              |
| E201600214                      | N                     | 18.00 %           | 14.53 %      | F              |
|                                 | P2O5                  | 24.00 %           | 20.86 %      | F              |
|                                 | TCV                   | 100.00 %          | 87.78 %      | F              |
| E201600282                      | K2O                   | 4.00 %            | 3.34 %       | F              |
| E201600725                      | N                     | 14.00 %           | 12.26 %      | F              |
|                                 | TCV                   | 100.00 %          | 92.40 %      | F              |
| E201700006                      | N                     | 20.00 %           | 17.47 %      | F              |
|                                 | TCV                   | 100.00 %          | 93.13 %      | F              |
|                                 | Fe                    | 1.00 %            | 0.00         | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>7</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>15</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>46.67 %</b> |

**Solu-Cal USA,LTD - PO Box 278 22 Cranberry Highway W Wareham MA 02576 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |

**Pennsylvania Department of Agriculture  
Bureau of Plant Industry  
Fertilizer Laboratory Tests**

Date Range: 7/1/2016 to 6/30/2017

Deficiency Rate: **0.00 %**

**Southern States Coop Inc - 6606 West Broad Street Richmond VA 23230 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600368                      | N                     | 5.00 %            | 4.15 %       | F               |
|                                 | P2O5                  | 10.00 %           | 8.62 %       | F               |
|                                 | K2O                   | 10.00 %           | 8.23 %       | F               |
|                                 | TCV                   | 100.00 %          | 84.07 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**SQM North America - 2727 Paces Ferry Rd- Bldg 2-Ste1425 Atlanta GA 30339 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Sun Bulb Co - 1615 S.W. Hwy 17 PO Box 698 Arcadia FL 34266 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Sustane Natural Fertilizer, Inc. - 310 Holiday Ave E Cannon Falls MN 55009-1198 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600429                      | N                     | 15.00 %           | 13.09 %      | F              |
|                                 | Fe                    | 2.00 %            | 1.74 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**Swiss Farms Products Inc dba Scotts Co - 3993 Howard Hughes Pky Ste250 Las Vegas NV 89169 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Synatek, LP - 737 Hagey Center Dr Unit A Souderton PA 18964-2404 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600444       | K2O                   | 6.00 %            | 4.97 %       | F             |
|                  | TCV                   | 100.00 %          | 96.05 %      | F             |
|                  | Fe                    | 1.60 %            | 0.95 %       | F             |



**Pennsylvania Department of Agriculture  
Bureau of Plant Industry  
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Date Range: 7/1/2016 to 6/30/2017

**Synatek, LP - 737 Hagey Center Dr Unit A Souderton PA 18964-2404 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600484                      | Fe                    | 1.60 %            | 1.02 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>66.67 %</b> |

**T R Shearer Ag Commodities, Inc. - 4691 Sandy Lake Road Carlton PA 16311 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**The Agronomy Center - 12039 Wm. Penn Highway Thompsettown PA 17094 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600581                      | K2O                   | 20.00 %           | 16.58 %      | F              |
|                                 | TCV                   | 100.00 %          | 92.93 %      | F              |
| E201600582                      | TCV                   | 100.00 %          | 84.70 %      | F              |
|                                 | N                     | 19.00 %           | 16.25 %      | F              |
|                                 | P2O5                  | 19.00 %           | 9.27 %       | F              |
| E201600584                      | N                     | 10.00 %           | 5.77 %       | F              |
|                                 | TCV                   | 100.00 %          | 91.29 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**The Andersons, Inc. - PO Box 119 Maumee OH 43537 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600074                      | TCV                   | 100.00 %          | 95.37 %      | F              |
| E201600087                      | N                     | 3.00 %            | 2.54 %       | F              |
|                                 | P2O5                  | 14.00 %           | 12.00 %      | F              |
| E201600313                      | TCV                   | 100.00 %          | 95.31 %      | F              |
| E201600367                      | P2O5                  | 32.00 %           | 29.45 %      | F              |
|                                 | TCV                   | 100.00 %          | 95.86 %      | F              |
| E201600457                      | TCV                   | 100.00 %          | 96.50 %      | F              |
| E201600458                      | TCV                   | 100.00 %          | 96.96 %      | F              |
| E201600569                      | TCV                   | 100.00 %          | 95.76 %      | F              |
| E201600636                      | TCV                   | 100.00 %          | 96.48 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>8</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>27</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>29.63 %</b> |

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Date Range: 7/1/2016 to 6/30/2017

**The Andersons, Lordstown - 6161 Muth Rd Lordstown OH 44481 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600461                      | TCV                   | 100.00 %          | 96.68 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>50.00 %</b> |

**The Hawthorne Gardening Company - 800 Port Washington Blvd Port Washington NY 11050-3720 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600308                      | P2O5                  | 4.00 %            | 3.37 %       | F              |
| E201600455                      | P2O5                  | 4.00 %            | 3.21 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>40.00 %</b> |

**The Master Gardner Co. - 5770 N Blackstock Rd Spartanburg SC 29303-6301 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600246                      | K2O                   | 12.00 %           | 10.49 %      | F               |
|                                 | TCV                   | 100.00 %          | 89.53 %      | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Turf Care Supply Corp - 50 Pearl Rd Ste 200 Brunswick OH 44212-5703 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600101                      | N                     | 16.00 %           | 14.19 %      | F               |
|                                 | P2O5                  | 20.00 %           | 15.52 %      | F               |
|                                 | TCV                   | 100.00 %          | 85.45 %      | F               |
| E201600102                      | K2O                   | 5.00 %            | 3.46 %       | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>2</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Turf Care Supply Corp - 50 PEARL RD Ste 200 ATT BRAD KEEFER BRUNSWICK OH 44212 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600417                      | Fe                    | 2.00 %            | 0.49 %       | F              |
| E201600560                      | P2O5                  | 20.00 %           | 16.30 %      | F              |
|                                 | TCV                   | 100.00 %          | 91.54 %      | F              |
| E201600562                      | K2O                   | 5.00 %            | 4.23 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>75.00 %</b> |

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**Turf Chemicals Plus Inc/dba Bio plex - 114 Manheim St Mount Joy PA 17552 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>   |
|---------------------------------|-----------------------|-------------------|--------------|-----------------|
| E201600231                      | K2O                   | 6.00 %            | 5.34 %       | F               |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>        |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>        |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>100.00 %</b> |

**Union Mill Div. Of Chemgro - 316 Applehouse Rd Belleville PA 17004-8628 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600275                      | N                     | 10.00 %           | 8.64 %       | F              |
|                                 | P2O5                  | 10.00 %           | 8.76 %       | F              |
|                                 | TCV                   | 100.00 %          | 88.17 %      | F              |
| E201600278                      | P2O5                  | 21.00 %           | 18.10 %      | F              |
|                                 | TCV                   | 100.00 %          | 91.03 %      | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>2</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>5</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>40.00 %</b> |

**Vogel Seed & Fertilizer, Inc. - 1891 Spring Valley Road Jackson WI 53037 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>1</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Voluntary Purchasing Groups, Inc. - 230 FM 87 Bonham TX 75418-8629 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|---------------------------------|-----------------------|-------------------|--------------|---------------|
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>0</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>3</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>0.00 %</b> |

**Webb's Super-Gro Products, Inc - 30 Pennsylvania Avenue PO Box C Mill Hall PA 17751-0090 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600132                      | P2O5                  | 10.00 %           | 8.46 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>1</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>6</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>16.67 %</b> |

**Western Reserve Farm Cooperative Inc - 225 E Main Street PO Box 1030 Andover OH 44003 US**

| <u>Sample ID</u> | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u> |
|------------------|-----------------------|-------------------|--------------|---------------|
| E201600090       | K2O                   | 24.00 %           | 21.17 %      | F             |
| E201600094       | N                     | 5.00 %            | 4.39 %       | F             |
|                  | P2O5                  | 20.00 %           | 17.29 %      | F             |
|                  | TCV                   | 100.00 %          | 95.73 %      | F             |
| E201600097       | N                     | 10.00 %           | 8.95 %       | F             |
|                  | TCV                   | 100.00 %          | 95.87 %      | F             |
| E201600098       | TCV                   | 100.00 %          | 96.30 %      | F             |

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**Western Reserve Farm Cooperative Inc - 225 E Main Street PO Box 1030 Andover OH 44003 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600297                      | TCV                   | 100.00 %          | 95.27 %      | F              |
|                                 | P2O5                  | 20.00 %           | 17.23 %      | F              |
| E201600385                      | N                     | 20.00 %           | 17.69 %      | F              |
|                                 | TCV                   | 100.00 %          | 93.42 %      | F              |
| E201600489                      | N                     | 10.00 %           | 6.84 %       | F              |
|                                 | P2O5                  | 10.00 %           | 7.57 %       | F              |
|                                 | TCV                   | 100.00 %          | 85.15 %      | F              |
| E201600490                      | N                     | 18.00 %           | 15.92 %      | F              |
| E201600515                      | N                     | 15.00 %           | 13.31 %      | F              |
| E201600516                      | N                     | 20.00 %           | 17.85 %      | F              |
|                                 | TCV                   | 100.00 %          | 94.72 %      | F              |
| E201600579                      | N                     | 10.00 %           | 7.31 %       | F              |
|                                 | P2O5                  | 10.00 %           | 8.77 %       | F              |
|                                 | TCV                   | 100.00 %          | 89.13 %      | F              |
| E201600580                      | K2O                   | 20.00 %           | 17.93 %      | F              |
| E201600694                      | N                     | 19.00 %           | 16.93 %      | F              |
| E201600696                      | Fe                    | 1.00 %            | 0.50 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>14</b>      |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>58</b>      |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>24.14 %</b> |

**Winfield Solutions LLC - PO Box 64589 St Paul MN 55164-0589 US**

| <u>Sample ID</u>                | <u>Component Code</u> | <u>Guaranteed</u> | <u>Found</u> | <u>Status</u>  |
|---------------------------------|-----------------------|-------------------|--------------|----------------|
| E201600054                      | K2O                   | 16.00 %           | 14.23 %      | F              |
| E201600418                      | K2O                   | 11.00 %           | 9.07 %       | F              |
| E201600724                      | K2O                   | 10.00 %           | 8.69 %       | F              |
| <b>Total Samples Failed:</b>    |                       |                   |              | <b>3</b>       |
| <b>Total Samples Submitted:</b> |                       |                   |              | <b>4</b>       |
| <b>Deficiency Rate:</b>         |                       |                   |              | <b>75.00 %</b> |