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**Asparagus Production Up 20 Percent from 2015**  
**Strawberry Production Down 7 Percent from 2015**  
**Onion Production Up 8 Percent from 2015**  
**Contracted Processing Production Down 7 Percent from 2015**

Production of the 2016 asparagus crop is forecast at 821,000 cwt, up 20 percent from 2015. Area harvested, at 23,000 acres, is down 2 percent from last year.

Strawberry production in the United States is forecast at 28.9 million cwt, down 7 percent from 2015. Area harvested, at 53,300 acres, is down 8 percent from last year. Strawberry yield is forecast at 541 cwt per acre, up 9 cwt from 2015.

Production of the 2016 onion crop is forecast at 73.0 million cwt, up 8 percent from 2015. Onion growers expect to harvest 134,100 acres in 2016, up 1 percent from last year. The average yield, at 544 cwt per acre, is 37 cwt above 2015.

The 2016 contracted processing vegetable production for the four major processing crops (snap beans, sweet corn, green peas, and tomatoes) is forecast at 17.0 million tons, down 7 percent from last year. Production of processing tomatoes, at 13.3 million tons, is down 9 percent from last year. Snap bean production, at 748,280 tons, is up 1 percent from last year's production. Sweet corn production, at 2.56 million tons, is up 7 percent from last year. Green pea production, at 314,880 tons, is down 23 percent from the previous year. Contracted area for harvest of the four major processing vegetable crops, at 870,260 acres, is 6 percent below 2015.

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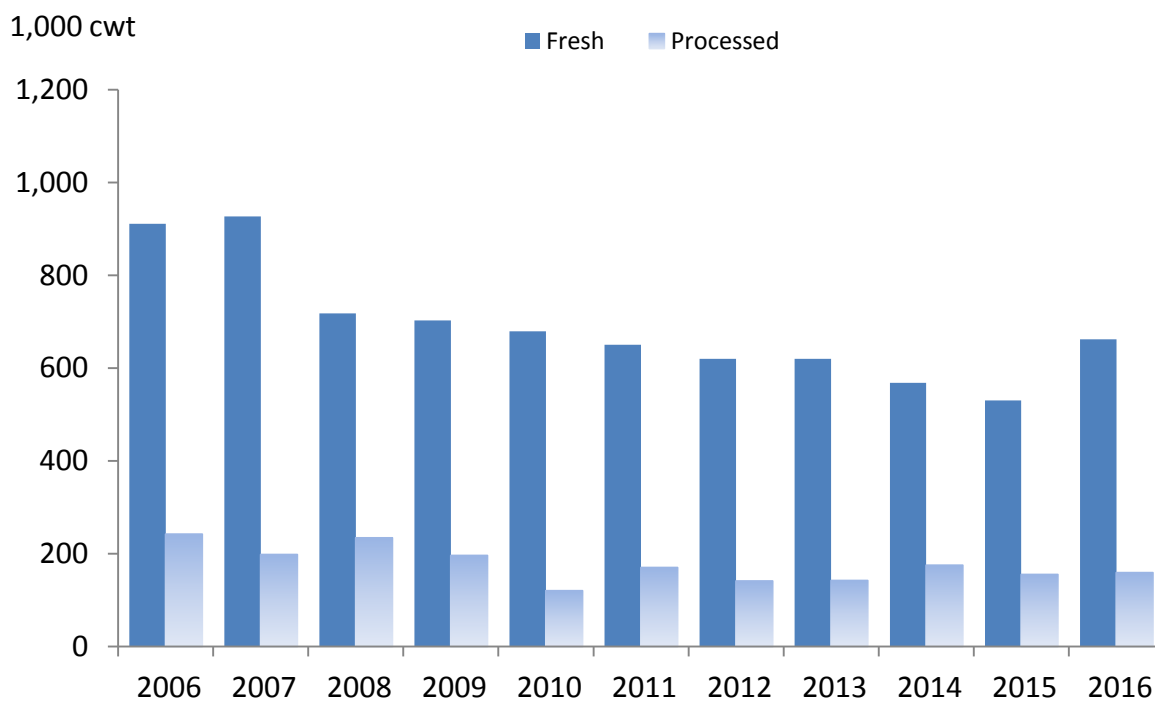
## Asparagus Comments

**Asparagus:** Production from the 2016 asparagus crop is forecast at 821,000 cwt, up 20 percent from last year. Harvested area, at 23,000 acres, is down 2 percent from 2015. Total value of the crop, at 89.7 million dollars, is up 19 percent from 2015. Fresh production of 662,000 cwt is up 25 percent from a year ago. Processed production, at 7,940 tons, is up 2 percent from 2015.

In California, rain during the winter helped to rejuvenate from the drought the State experienced last year. The harvest of the asparagus crop began in late February and was complete in most areas of the State by early June. Yields are expected to be excellent this year. In Washington, asparagus acres continue a decade long trend of declining acres, while yields were much higher due to the varieties planted. In Michigan, growers reported cool temperatures early in the season which impacted crop development and harvest, however yields were only slightly down from last year.

Beginning in 2016, New Jersey was added to the estimation program.

### Asparagus Production - United States: 2006-2016



**Asparagus Area Planted and Harvested, Yield, Production, Price, and Value – States and United States: 2015 and Forecasted 2016**

| State                         | Area planted   |           | Area harvested      |                 |
|-------------------------------|----------------|-----------|---------------------|-----------------|
|                               | 2015           | 2016      | 2015                | 2016            |
|                               | (acres)        | (acres)   | (acres)             | (acres)         |
| California .....              | 11,300         | 9,500     | 10,800              | 9,000           |
| Michigan .....                | 10,000         | 10,200    | 8,900               | 9,200           |
| New Jersey <sup>1</sup> ..... | (NA)           | 1,500     | (NA)                | 1,400           |
| Washington .....              | 4,000          | 3,600     | 3,800               | 3,400           |
| United States .....           | 25,300         | 24,800    | 23,500              | 23,000          |
| State                         | Yield per acre |           | Production          |                 |
|                               | 2015           | 2016      | 2015                | 2016            |
|                               | (cwt)          | (cwt)     | (1,000 cwt)         | (1,000 cwt)     |
| California .....              | 27             | 36        | 290                 | 324             |
| Michigan .....                | 26             | 25        | 228                 | 230             |
| New Jersey <sup>1</sup> ..... | (NA)           | 40        | (NA)                | 56              |
| Washington .....              | 44             | 62        | 167                 | 211             |
| United States .....           | 29             | 36        | 685                 | 821             |
| State                         | Price per cwt  |           | Value of production |                 |
|                               | 2015           | 2016      | 2015                | 2016            |
|                               | (dollars)      | (dollars) | (1,000 dollars)     | (1,000 dollars) |
| California .....              | 139.00         | 128.00    | 40,310              | 41,472          |
| Michigan .....                | 86.60          | 87.10     | 19,754              | 20,030          |
| New Jersey <sup>1</sup> ..... | (NA)           | 171.00    | (NA)                | 9,576           |
| Washington .....              | 93.30          | 88.30     | 15,584              | 18,625          |
| United States .....           | 110.00         | 109.00    | 75,648              | 89,703          |

(NA) Not available.

<sup>1</sup> Estimates began in 2016.

**Asparagus Production, Price, and Value by Utilization – States and United States: 2015 and Forecasted 2016**

| Utilization and State         | Production        |          |                     |        |
|-------------------------------|-------------------|----------|---------------------|--------|
|                               | 2015              |          | 2016                |        |
|                               | (1,000 cwt)       |          | (1,000 cwt)         |        |
| <b>Fresh market</b>           |                   |          |                     |        |
| California <sup>1</sup> ..... |                   | 290      |                     | 324    |
| Michigan .....                |                   | (D)      |                     | (D)    |
| New Jersey <sup>2</sup> ..... |                   | (NA)     |                     | 56     |
| Washington .....              |                   | (D)      |                     | (D)    |
| Other States .....            |                   | 240      |                     | 282    |
| United States .....           |                   | 530      |                     | 662    |
|                               | (tons)            |          | (tons)              |        |
| <b>Processing</b>             |                   |          |                     |        |
| California .....              |                   | (NA)     |                     | -      |
| Michigan .....                |                   | (D)      |                     | (D)    |
| New Jersey <sup>2</sup> ..... |                   | (NA)     |                     | -      |
| Washington .....              |                   | (D)      |                     | (D)    |
| Other States .....            |                   | 7,750    |                     | 7,940  |
| United States .....           |                   | 7,750    |                     | 7,940  |
| Utilization and State         | Price per unit    |          | Value of production |        |
|                               | 2015              | 2016     | 2015                | 2016   |
|                               | (dollars per cwt) |          | (1,000 dollars)     |        |
| <b>Fresh market</b>           |                   |          |                     |        |
| California <sup>1</sup> ..... | 139.00            | 128.00   | 40,310              | 41,472 |
| Michigan .....                | (D)               | (D)      | (D)                 | (D)    |
| New Jersey <sup>2</sup> ..... | (NA)              | 171.00   | (NA)                | 9,576  |
| Washington .....              | (D)               | (D)      | (D)                 | (D)    |
| Other States .....            | 94.00             | 90.40    | 22,560              | 25,494 |
| United States .....           | 119.00            | 116.00   | 62,870              | 76,542 |
|                               | (dollars per ton) |          | (1,000 dollars)     |        |
| <b>Processing</b>             |                   |          |                     |        |
| California .....              | (NA)              | -        | (NA)                | -      |
| Michigan .....                | (D)               | (D)      | (D)                 | (D)    |
| New Jersey <sup>2</sup> ..... | (NA)              | -        | (NA)                | -      |
| Washington .....              | (D)               | (D)      | (D)                 | (D)    |
| Other States .....            | 1,650.00          | 1,660.00 | 12,778              | 13,161 |
| United States .....           | 1,650.00          | 1,660.00 | 12,778              | 13,161 |

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

<sup>1</sup> Includes a small amount of processing asparagus for 2015.

<sup>2</sup> Estimates began in 2016.

## Strawberry Comments

**Strawberries:** Strawberry production in the United States is forecast at 28.9 million cwt, down 7 percent from 2015. Area harvested, at 53,300 acres, is down 8 percent from last year. The average yield, at 541 cwt per acre, is up 9 cwt from 2015.

In California, growers experienced ideal weather conditions, but production volumes slightly lower than 2015 due to planned reduction in production.

In Florida, wet conditions during the growing season presented some disease issues that have been common over the last few years. Acreage remains steady when compared with the previous year.

Beginning in 2016, estimates were discontinued in Michigan, Ohio, Pennsylvania, and Wisconsin.

## Strawberry Area Harvested, Yield, and Production – States and United States: 2015 and Forecasted 2016

[Includes fresh market and processing]

| Season and State                | Area harvested |         | Yield per acre |       | Production  |             |
|---------------------------------|----------------|---------|----------------|-------|-------------|-------------|
|                                 | 2015           | 2016    | 2015           | 2016  | 2015        | 2016        |
|                                 | (acres)        | (acres) | (cwt)          | (cwt) | (1,000 cwt) | (1,000 cwt) |
| California .....                | 40,500         | 38,500  | 690            | 678   | 27,909      | 26,100      |
| Florida .....                   | 10,900         | 10,900  | 225            | 220   | 2,442       | 2,398       |
| Michigan <sup>1</sup> .....     | 650            | (NA)    | 43             | (NA)  | 28          | (NA)        |
| New York .....                  | 800            | 800     | 36             | 35    | 29          | 28          |
| North Carolina .....            | 1,100          | 1,200   | 130            | 120   | 143         | 144         |
| Ohio <sup>1</sup> .....         | 540            | (NA)    | 43             | (NA)  | 23          | (NA)        |
| Oregon .....                    | 1,400          | 1,100   | 111            | 94    | 155         | 103         |
| Pennsylvania <sup>1</sup> ..... | 600            | (NA)    | 57             | (NA)  | 34          | (NA)        |
| Washington .....                | 910            | 800     | 77             | 100   | 70          | 80          |
| Wisconsin <sup>1</sup> .....    | 610            | (NA)    | 55             | (NA)  | 34          | (NA)        |
| United States .....             | 58,010         | 53,300  | 532            | 541   | 30,867      | 28,853      |

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2016.

## **Onion Comments**

**Onions:** Production of onions in 2016 is forecast at 73.0 million cwt, up 8 percent from last year. The crop covers 134,100 harvested acres, up 1 percent from 2015. The average yield, at 544 cwt per acre, is 37 cwt above 2015.

In Idaho, Washington, and Oregon, weather conditions have been favorable compare to last year. Reports indicate irrigated vegetable crops are doing well. With better access to water, yields are expected to increase from last year.

In California, while lack of water for irrigation persists, the warm temperatures in mid-May benefited the crop and harvest is ongoing.

In Texas, onions are doing extremely well in comparison to last year. Yields are up and beneficial dry weather occurred at harvest.

Beginning in 2016, estimates were discontinued for Michigan, Nevada, Ohio, Utah, and Wisconsin.

## Onion Area Planted and Harvested, Yield, Production, and Shrinkage and Loss – States and United States: 2015 and Forecasted 2016

[Blank cells indicate estimation period has not yet begun]

| Season and State                | Area planted |         | Area harvested |         | Yield per acre |       |
|---------------------------------|--------------|---------|----------------|---------|----------------|-------|
|                                 | 2015         | 2016    | 2015           | 2016    | 2015           | 2016  |
|                                 | (acres)      | (acres) | (acres)        | (acres) | (cwt)          | (cwt) |
| California .....                | 45,800       | 45,900  | 44,200         | 44,300  | 445            | 445   |
| Colorado .....                  | 3,800        | 3,900   | 3,200          | 3,600   | 460            | 390   |
| Georgia .....                   | 12,300       | 12,400  | 11,200         | 11,400  | 240            | 260   |
| Idaho .....                     | 8,000        | 10,000  | 8,000          | 9,900   | 720            | 740   |
| Michigan <sup>1</sup> .....     | 2,500        | (NA)    | 2,400          | (NA)    | 330            | (NA)  |
| Nevada <sup>1</sup> .....       | (D)          | (NA)    | (D)            | (NA)    | (D)            | (NA)  |
| New Mexico .....                | 5,200        | 6,000   | 5,100          | 5,900   | 640            | 610   |
| New York .....                  | 7,800        | 7,300   | 7,500          | 7,100   | 345            | 320   |
| Ohio <sup>1</sup> .....         | (D)          | (NA)    | (D)            | (NA)    | (D)            | (NA)  |
| Oregon .....                    | 19,000       | 21,000  | 18,500         | 20,800  | 705            | 747   |
| Malheur county .....            | 9,400        | 10,000  | 9,200          | 9,900   | 760            | 810   |
| All other counties .....        | 9,600        | 11,000  | 9,300          | 10,900  | 650            | 690   |
| Texas .....                     | 10,700       | 10,000  | 4,300          | 8,200   | 207            | 254   |
| Utah .....                      | (D)          | (NA)    | (D)            | (NA)    | (D)            | (NA)  |
| Washington .....                | 22,000       | 23,000  | 21,900         | 22,900  | 662            | 790   |
| Wisconsin <sup>1</sup> .....    | 1,600        | (NA)    | 1,500          | (NA)    | 430            | (NA)  |
| Other States <sup>2</sup> ..... | 5,200        | -       | 5,100          | -       | 409            | -     |
| United States .....             | 143,900      | 139,500 | 132,900        | 134,100 | 507            | 544   |

| Season and State                | Production  |             | Shrinkage and loss <sup>3</sup> |             |
|---------------------------------|-------------|-------------|---------------------------------|-------------|
|                                 | 2015        | 2016        | 2015                            | 2016        |
|                                 | (1,000 cwt) | (1,000 cwt) | (1,000 cwt)                     | (1,000 cwt) |
| California .....                | 19,665      | 19,714      | 250                             |             |
| Colorado .....                  | 1,472       | 1,404       | 110                             |             |
| Georgia .....                   | 2,688       | 2,964       | -                               |             |
| Idaho .....                     | 5,760       | 7,326       | 829                             |             |
| Michigan <sup>1</sup> .....     | 792         | (NA)        | 79                              |             |
| Nevada <sup>1</sup> .....       | (D)         | (NA)        | -                               |             |
| New Mexico .....                | 3,264       | 3,600       | -                               |             |
| New York .....                  | 2,588       | 2,272       | 285                             |             |
| Ohio <sup>1</sup> .....         | (D)         | (NA)        | (D)                             |             |
| Oregon .....                    | 13,037      | 15,540      | 2,118                           |             |
| Malheur county .....            | 6,992       | 8,019       | 909                             |             |
| All other counties .....        | 6,045       | 7,521       | 1,209                           |             |
| Texas .....                     | 890         | 2,083       | -                               |             |
| Utah <sup>1</sup> .....         | (D)         | (NA)        | (D)                             |             |
| Washington .....                | 14,491      | 18,100      | 947                             |             |
| Wisconsin <sup>1</sup> .....    | 645         | (NA)        | 5                               |             |
| Other States <sup>2</sup> ..... | 2,088       | -           | 95                              |             |
| United States .....             | 67,380      | 73,003      | 4,718                           |             |

See footnote(s) at end of table.

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**Onion Area Planted and Harvested, Yield, Production, and Shrinkage and Loss – States and United States: 2015 and Forecasted 2016 (continued)**

[Blank cells indicate estimation period has not yet begun]

| Season and State                | Price per cwt <sup>3</sup> |           | Total value <sup>3</sup> |                 |
|---------------------------------|----------------------------|-----------|--------------------------|-----------------|
|                                 | 2015                       | 2016      | 2015                     | 2016            |
|                                 | (dollars)                  | (dollars) | (1,000 dollars)          | (1,000 dollars) |
| California .....                | 11.70                      |           | 227,632                  |                 |
| Colorado .....                  | 20.90                      |           | 28,466                   |                 |
| Georgia .....                   | 45.30                      |           | 121,766                  |                 |
| Idaho .....                     | 10.10                      |           | 49,803                   |                 |
| Michigan <sup>1</sup> .....     | 14.10                      |           | 10,053                   |                 |
| Nevada <sup>1</sup> .....       | (D)                        |           | (D)                      |                 |
| New Mexico .....                | 28.00                      |           | 91,392                   |                 |
| New York .....                  | 17.60                      |           | 40,533                   |                 |
| Ohio <sup>1</sup> .....         | (D)                        |           | (D)                      |                 |
| Oregon .....                    | 11.50                      |           | 125,273                  |                 |
| Malheur county .....            | 10.10                      |           | 61,438                   |                 |
| All other counties .....        | 13.20                      |           | 63,835                   |                 |
| Texas .....                     | 26.15                      |           | 23,271                   |                 |
| Utah <sup>1</sup> .....         | (D)                        |           | (D)                      |                 |
| Washington .....                | 15.70                      |           | 212,506                  |                 |
| Wisconsin <sup>1</sup> .....    | 16.60                      |           | 10,624                   |                 |
| Other States <sup>2</sup> ..... | 26.10                      |           | 52,041                   |                 |
| United States .....             | 15.90                      |           | 993,360                  |                 |

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

<sup>1</sup> Estimates discontinued in 2016.

<sup>2</sup> Includes data withheld above.

<sup>3</sup> Shrinkage and loss, price, and total value for 2016 will be published in the *Vegetables 2016 Summary* released February 2017.

## Processing Crop Comments

**Snap beans:** Contracted production of snap beans is forecast at 748,280 tons, up 1 percent from last year. Contracted harvested area is up 1 percent from last year and yield is up slightly from 2015. In Wisconsin, reports of low insect and disease prone in comparison to last year, and fewer weather events have led to above average yields.

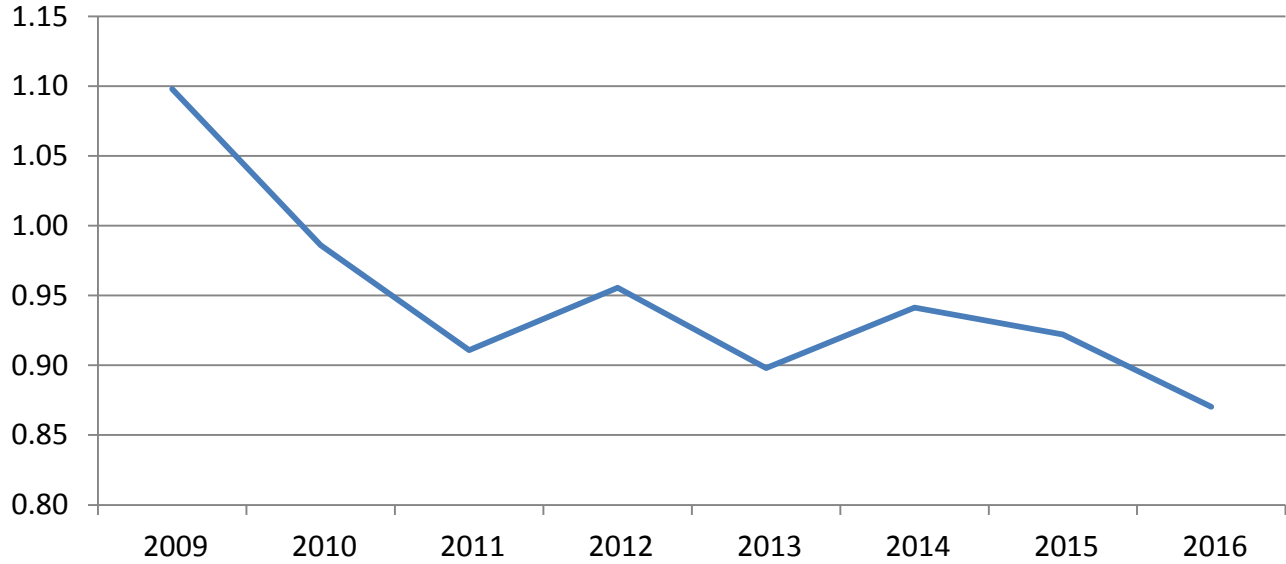
**Sweet corn:** Contracted sweet corn production is forecast at 2.56 million tons, up 7 percent from last year. An increase of 2 percent in contracted harvested area is expected along with an increase in yield of 0.46 ton per acre from 2015. In Oregon and Washington, weather conditions have been good for vegetable crops. In Minnesota and Wisconsin, processors reported average to above average yields.

**Green peas:** Contracted production is forecast at 314,880 tons, down 23 percent from last year. Area for harvest, at 141,200 acres, is down 15 percent from 2015. The expected yield, at 2.23 tons per acre, is down 0.24 ton per acre from a year ago.

**Tomatoes:** Contracted tomato production is forecast at 13.3 million tons, down 9 percent from last year. Contracted harvested area is down 11 percent, but yield is up 1.11 tons per acre from last year. In California, processors have reported that the crop looks average overall. Some growers are having an issue with curly top disease. Shipments in early August are 20.5 percent lower than last season. Beginning in 2016, New Jersey and South Carolina were added to the program.

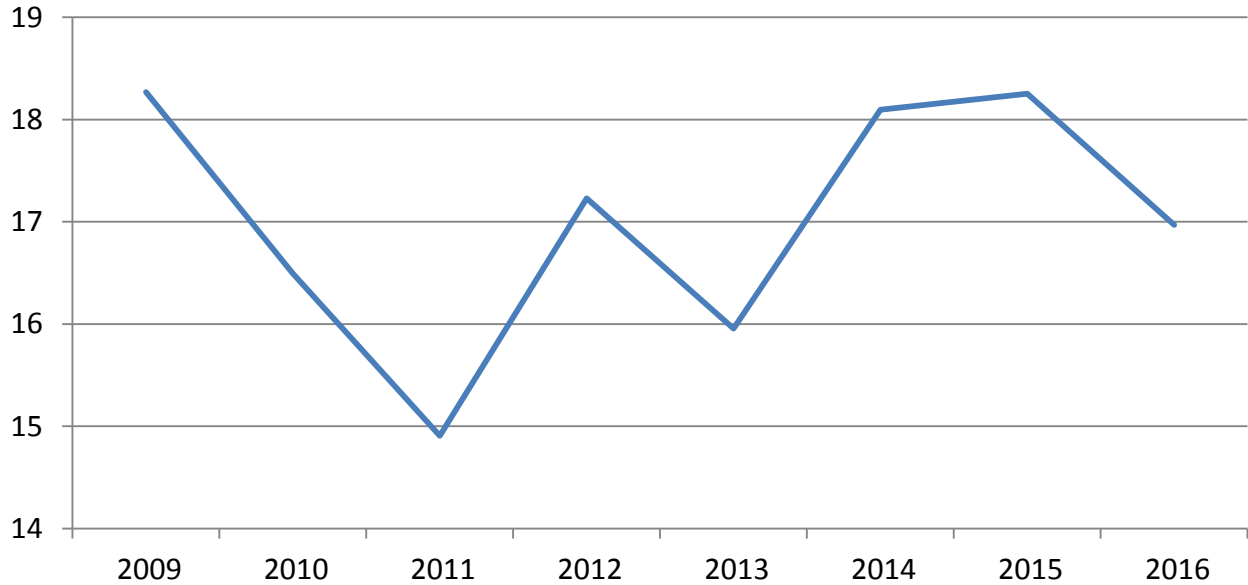
**Contracted Area Harvested for Four Major Processing Vegetables - United States: Snap beans, Sweet corn, Green peas, and Tomatoes**

Million acres



**Contracted Production for Four Major Processing Vegetables - United States: Snap beans, Sweet corn, Green peas, and Tomatoes**

Million tons



**Processing Vegetable Area Harvested and Production by Crop – United States: 2015 and Forecasted 2016 (Domestic Units)**

| Crop               | Area harvested |                       |                       |
|--------------------|----------------|-----------------------|-----------------------|
|                    | 2015           |                       | 2016                  |
|                    | Total          | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                    | (acres)        | (acres)               | (acres)               |
| Snap beans .....   | 158,920        | 153,720               | 155,060               |
| Sweet corn .....   | 307,500        | 292,600               | 299,380               |
| Green peas .....   | 166,200        | 166,200               | 141,200               |
| Tomatoes .....     | 310,600        | 309,600               | 274,620               |
| <b>Total .....</b> | <b>943,220</b> | <b>922,120</b>        | <b>870,260</b>        |

| Crop               | Production        |                       |                       |
|--------------------|-------------------|-----------------------|-----------------------|
|                    | 2015              |                       | 2016                  |
|                    | Total             | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                    | (tons)            | (tons)                | (tons)                |
| Snap beans .....   | 764,900           | 742,900               | 748,280               |
| Sweet corn .....   | 2,488,110         | 2,398,850             | 2,558,551             |
| Green peas .....   | 411,320           | 411,320               | 314,880               |
| Tomatoes .....     | 14,754,350        | 14,700,350            | 13,348,360            |
| <b>Total .....</b> | <b>18,418,680</b> | <b>18,253,420</b>     | <b>16,970,071</b>     |

<sup>1</sup> Includes acreage from major brokers.

**Processing Vegetable Area Harvested and Production by Crop – United States: 2015 and Forecasted 2016 (Metric Units)**

| Crop                     | Area harvested |                       |                       |
|--------------------------|----------------|-----------------------|-----------------------|
|                          | 2015           |                       | 2016                  |
|                          | Total          | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                          | (hectares)     | (hectares)            | (hectares)            |
| Snap beans .....         | 64,310         | 62,210                | 62,750                |
| Sweet corn .....         | 124,440        | 118,410               | 121,160               |
| Green peas .....         | 67,260         | 67,260                | 57,140                |
| Tomatoes .....           | 125,700        | 125,290               | 111,140               |
| Total <sup>2</sup> ..... | 381,710        | 373,170               | 352,190               |

| Crop                     | Production    |                       |                       |
|--------------------------|---------------|-----------------------|-----------------------|
|                          | 2015          |                       | 2016                  |
|                          | Total         | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                          | (metric tons) | (metric tons)         | (metric tons)         |
| Snap beans .....         | 693,900       | 673,940               | 678,820               |
| Sweet corn .....         | 2,257,160     | 2,176,190             | 2,321,070             |
| Green peas .....         | 373,140       | 373,140               | 285,650               |
| Tomatoes .....           | 13,384,850    | 13,335,860            | 12,109,370            |
| Total <sup>2</sup> ..... | 16,709,060    | 16,559,140            | 15,394,910            |

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Totals may not add due to rounding.

**Snap Beans for Processing Area Harvested, Yield, and Production – States and United States: 2015 and Forecasted 2016**

| State                           | Area harvested |                       |                       |
|---------------------------------|----------------|-----------------------|-----------------------|
|                                 | 2015           |                       | 2016                  |
|                                 | Total          | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                                 | (acres)        | (acres)               | (acres)               |
| California .....                | (D)            | (D)                   | -                     |
| Delaware .....                  | (D)            | (D)                   | (D)                   |
| Florida .....                   | (D)            | (D)                   | 700                   |
| Georgia .....                   | (D)            | (D)                   | (D)                   |
| Illinois .....                  | (D)            | (D)                   | (D)                   |
| Indiana .....                   | 3,600          | 3,600                 | 3,000                 |
| Maryland .....                  | (D)            | (D)                   | (D)                   |
| Michigan .....                  | 16,000         | 16,000                | 17,000                |
| Minnesota .....                 | (D)            | (D)                   | (D)                   |
| New Jersey .....                | (D)            | (D)                   | -                     |
| New York .....                  | (D)            | (D)                   | 20,100                |
| North Carolina .....            | (D)            | (D)                   | (D)                   |
| Oregon .....                    | (D)            | (D)                   | 11,900                |
| Pennsylvania .....              | 5,300          | 5,300                 | 11,700                |
| Tennessee .....                 | (D)            | (D)                   | (D)                   |
| Texas .....                     | (D)            | (D)                   | (D)                   |
| Washington .....                | (D)            | (D)                   | -                     |
| Wisconsin .....                 | 65,300         | 65,300                | 66,800                |
| Other States <sup>2</sup> ..... | 68,720         | 63,520                | 23,860                |
| United States .....             | 158,920        | 153,720               | 155,060               |

| State                           | Yield per acre |                       | Production |                       |                       |
|---------------------------------|----------------|-----------------------|------------|-----------------------|-----------------------|
|                                 | 2015           | 2016                  | 2015       |                       | 2016                  |
|                                 | Total          | Contract <sup>1</sup> | Total      | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                                 | (tons)         | (tons)                | (tons)     | (tons)                | (tons)                |
| California .....                | (D)            | -                     | (D)        | (D)                   | -                     |
| Delaware .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Florida .....                   | (D)            | 4.70                  | (D)        | (D)                   | 3,290                 |
| Georgia .....                   | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Illinois .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Indiana .....                   | 3.78           | 4.10                  | 13,620     | 13,620                | 12,300                |
| Maryland .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Michigan .....                  | 4.45           | 4.60                  | 71,200     | 71,200                | 78,200                |
| Minnesota .....                 | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| New Jersey .....                | (D)            | -                     | (D)        | (D)                   | -                     |
| New York .....                  | (D)            | 3.95                  | (D)        | (D)                   | 79,660                |
| North Carolina .....            | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Oregon .....                    | (D)            | 7.75                  | (D)        | (D)                   | 92,190                |
| Pennsylvania .....              | 4.40           | 3.90                  | 23,330     | 23,330                | 45,430                |
| Tennessee .....                 | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Texas .....                     | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Washington .....                | (D)            | -                     | (D)        | (D)                   | -                     |
| Wisconsin .....                 | 5.05           | 5.10                  | 329,530    | 329,530               | 340,680               |
| Other States <sup>2</sup> ..... | 4.76           | 4.05                  | 327,220    | 305,220               | 96,530                |
| United States .....             | 4.81           | 4.83                  | 764,900    | 742,900               | 748,280               |

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Includes data withheld above and/or data for States not listed in this table for 2015.

**Sweet Corn for Processing Area Harvested, Yield, and Production – States and United States: 2015 and Forecasted 2016**

| State                           | Area harvested |                       |                       |  |  |
|---------------------------------|----------------|-----------------------|-----------------------|--|--|
|                                 | 2015           |                       | 2016                  |  |  |
|                                 | Total          | Contract <sup>1</sup> | Contract <sup>1</sup> |  |  |
|                                 | (acres)        | (acres)               | (acres)               |  |  |
| California .....                | (D)            | (D)                   | -                     |  |  |
| Delaware .....                  | (D)            | (D)                   | (D)                   |  |  |
| Florida .....                   | (D)            | (D)                   | -                     |  |  |
| Georgia .....                   | (D)            | (D)                   | -                     |  |  |
| Idaho .....                     | (D)            | (D)                   | -                     |  |  |
| Illinois .....                  | (D)            | (D)                   | (D)                   |  |  |
| Indiana .....                   | (D)            | (D)                   | -                     |  |  |
| Maryland .....                  | (D)            | (D)                   | (D)                   |  |  |
| Michigan .....                  | (D)            | (D)                   | -                     |  |  |
| Minnesota .....                 | 103,200        | 103,200               | 112,000               |  |  |
| New Jersey .....                | (D)            | (D)                   | (D)                   |  |  |
| New York .....                  | (D)            | (D)                   | (D)                   |  |  |
| Ohio .....                      | (D)            | (D)                   | -                     |  |  |
| Oregon .....                    | 21,200         | 21,200                | 21,700                |  |  |
| Pennsylvania .....              | (D)            | (D)                   | (D)                   |  |  |
| Washington .....                | 78,800         | 78,800                | 71,800                |  |  |
| Wisconsin .....                 | 60,700         | 60,700                | 60,900                |  |  |
| Other States <sup>2</sup> ..... | 43,600         | 28,700                | 32,980                |  |  |
| United States .....             | 307,500        | 292,600               | 299,380               |  |  |

| State                           | Yield per acre |                       | Production |                       |                       |
|---------------------------------|----------------|-----------------------|------------|-----------------------|-----------------------|
|                                 | 2015           | 2016                  | 2015       |                       | 2016                  |
|                                 | Total          | Contract <sup>1</sup> | Total      | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                                 | (tons)         | (tons)                | (tons)     | (tons)                | (tons)                |
| California .....                | (D)            | -                     | (D)        | (D)                   | -                     |
| Delaware .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Florida .....                   | (D)            | -                     | (D)        | (D)                   | -                     |
| Georgia .....                   | (D)            | -                     | (D)        | (D)                   | -                     |
| Idaho .....                     | (D)            | -                     | (D)        | (D)                   | -                     |
| Illinois .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Indiana .....                   | (D)            | -                     | (D)        | (D)                   | -                     |
| Maryland .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Michigan .....                  | (D)            | -                     | (D)        | (D)                   | -                     |
| Minnesota .....                 | 7.38           | 7.35                  | 761,320    | 761,320               | 823,200               |
| New Jersey .....                | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| New York .....                  | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Ohio .....                      | (D)            | -                     | (D)        | (D)                   | -                     |
| Oregon .....                    | 9.37           | 10.10                 | 198,610    | 198,610               | 218,760               |
| Pennsylvania .....              | (D)            | (D)                   | (D)        | (D)                   | (D)                   |
| Washington .....                | 9.17           | 10.45                 | 722,240    | 722,240               | 748,760               |
| Wisconsin .....                 | 8.08           | 8.49                  | 490,230    | 490,230               | 517,041               |
| Other States <sup>2</sup> ..... | 7.24           | 7.60                  | 315,710    | 226,450               | 250,790               |
| United States .....             | 8.09           | 8.55                  | 2,488,110  | 2,398,850             | 2,558,551             |

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Includes data withheld above and/or data for States not listed in this table for 2015.

**Green Peas for Processing Area Harvested and Contracted – States and United States: 2015 and Forecasted 2016**

| State and utilization           | Harvested |                       |         |                       |  |
|---------------------------------|-----------|-----------------------|---------|-----------------------|--|
|                                 | 2015      |                       | 2016    |                       |  |
|                                 | Total     | Contract <sup>1</sup> |         | Contract <sup>1</sup> |  |
|                                 | (acres)   | (acres)               |         | (acres)               |  |
| Delaware <sup>2</sup> .....     | (D)       | (D)                   | (NA)    |                       |  |
| Illinois .....                  | (D)       | (D)                   | (D)     |                       |  |
| Minnesota .....                 | 48,500    | 48,500                | 48,400  |                       |  |
| New York .....                  | (D)       | (D)                   | (D)     |                       |  |
| Oregon .....                    | (D)       | (D)                   | 16,300  |                       |  |
| Washington .....                | 42,600    | 42,600                | 33,600  |                       |  |
| Wisconsin .....                 | 34,300    | 34,300                | 28,200  |                       |  |
| Other States <sup>3</sup> ..... | 40,800    | 40,800                | 14,700  |                       |  |
| United States .....             | 166,200   | 166,200               | 141,200 |                       |  |

| State and utilization           | Yield per acre |                       | Production |         |                       |  |
|---------------------------------|----------------|-----------------------|------------|---------|-----------------------|--|
|                                 | 2015           | 2016                  | 2015       |         | 2016                  |  |
|                                 | Total          | Contract <sup>1</sup> |            | Total   | Contract <sup>1</sup> |  |
|                                 | (tons)         | (tons)                |            | (tons)  | (tons)                |  |
| Delaware <sup>2</sup> .....     | (D)            | (NA)                  | (D)        | (D)     | (NA)                  |  |
| Illinois .....                  | (D)            | (D)                   | (D)        | (D)     | (D)                   |  |
| Minnesota .....                 | 2.32           | 2.11                  | 112,450    | 112,450 | 102,124               |  |
| New York .....                  | (D)            | (D)                   | (D)        | (D)     | (D)                   |  |
| Oregon .....                    | (D)            | 2.00                  | (D)        | (D)     | 32,700                |  |
| Washington .....                | 3.46           | 2.55                  | 147,210    | 147,210 | 85,140                |  |
| Wisconsin .....                 | 2.37           | 2.38                  | 81,120     | 81,120  | 67,116                |  |
| Other States <sup>3</sup> ..... | 1.73           | 1.89                  | 70,540     | 70,540  | 27,800                |  |
| United States .....             | 2.47           | 2.23                  | 411,320    | 411,320 | 314,880               |  |

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Estimates discontinued in 2016.

<sup>3</sup> Includes data withheld above and/or data for States not listed in this table for 2015.



**Tomatoes for Processing Area Harvested, Yield, and Production – States and United States: 2015 and Forecasted 2016**

| State                             | Area harvested |                       |                       |  |  |
|-----------------------------------|----------------|-----------------------|-----------------------|--|--|
|                                   | 2015           |                       | 2016                  |  |  |
|                                   | Total          | Contract <sup>1</sup> | Contract <sup>1</sup> |  |  |
|                                   | (acres)        | (acres)               | (acres)               |  |  |
| California .....                  | 296,000        | 295,000               | 258,000               |  |  |
| Florida <sup>2</sup> .....        | (NA)           | (NA)                  | -                     |  |  |
| Indiana .....                     | 6,700          | 6,700                 | 6,600                 |  |  |
| Michigan .....                    | 3,200          | 3,200                 | 3,400                 |  |  |
| New Jersey <sup>2</sup> .....     | (NA)           | (NA)                  | (D)                   |  |  |
| North Carolina <sup>2</sup> ..... | (NA)           | (NA)                  | -                     |  |  |
| Ohio .....                        | 4,700          | 4,700                 | 5,500                 |  |  |
| South Carolina <sup>2</sup> ..... | (NA)           | (NA)                  | (D)                   |  |  |
| Tennessee <sup>2</sup> .....      | (NA)           | (NA)                  | -                     |  |  |
| Virginia <sup>2</sup> .....       | (NA)           | (NA)                  | -                     |  |  |
| Other States .....                | -              | -                     | 1,120                 |  |  |
| United States .....               | 310,600        | 309,600               | 274,620               |  |  |

| State                             | Yield per acre |                       | Production |                       |                       |
|-----------------------------------|----------------|-----------------------|------------|-----------------------|-----------------------|
|                                   | 2015           | 2016                  | 2015       |                       | 2016                  |
|                                   | Total          | Contract <sup>1</sup> | Total      | Contract <sup>1</sup> | Contract <sup>1</sup> |
|                                   | (tons)         | (tons)                | (tons)     | (tons)                | (tons)                |
| California .....                  | 48.52          | 49.61                 | 14,361,000 | 14,307,000            | 12,800,000            |
| Florida <sup>2</sup> .....        | (NA)           | -                     | (NA)       | (NA)                  | -                     |
| Indiana .....                     | 28.60          | 34.70                 | 191,620    | 191,620               | 229,020               |
| Michigan .....                    | 29.70          | 35.20                 | 95,040     | 95,040                | 119,680               |
| New Jersey <sup>2</sup> .....     | (NA)           | (D)                   | (NA)       | (NA)                  | (D)                   |
| North Carolina <sup>2</sup> ..... | (NA)           | -                     | (NA)       | (NA)                  | -                     |
| Ohio .....                        | 22.70          | 30.50                 | 106,690    | 106,690               | 167,750               |
| South Carolina <sup>2</sup> ..... | (NA)           | (D)                   | (NA)       | (NA)                  | (D)                   |
| Tennessee <sup>2</sup> .....      | (NA)           | -                     | (NA)       | (NA)                  | -                     |
| Virginia <sup>2</sup> .....       | (NA)           | -                     | (NA)       | (NA)                  | -                     |
| Other States .....                | -              | 28.49                 | -          | -                     | 31,910                |
| United States .....               | 47.50          | 48.61                 | 14,754,350 | 14,700,350            | 13,348,360            |

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Estimates began in 2016.

## Statistical Methodology

**Survey procedures:** Grower and processor surveys are conducted in preparation for this report. Telephone follow-up of mail survey non-respondents is used to ensure adequate coverage. Other data are obtained via fax or personal interview.

**Estimating procedures:** Information obtained from the vegetable surveys along with administrative data is used to establish forecasts of area and production. These forecasts are reviewed for errors, reasonableness, and consistency with historical estimates.

**Revision policy:** Vegetable forecasts will not be revised. End-of-season estimates are made following harvest and are subject to revision the following year based on a thorough review of all available data.

**Reliability:** Survey indications are subject to sampling variability because all operations growing vegetables are not included in the sample. Survey results are also subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

## Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov)

|  |                |
|--|----------------|
| Lance Honig, Chief, Crops Branch .....   | (202) 720-2127 |
| Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....   | (202) 720-2127 |
| Vincent Davis – Fresh and Processing Vegetables, Onions, Strawberries,<br>Sugarbeets, Sugarcane, Cherries.....                       | (202) 720-2157 |
| Fleming Gibson – Citrus, Coffee, Tropical Fruits.....  | (202) 720-5412 |
| Greg Lemmons – Berries, Cranberries, Potatoes, Sweet Potatoes .....  | (202) 720-4285 |
| Dave Losh – Hops .....   | (360) 709-2400 |
| Dan Norris – Austrian Winter Peas, Dry Edible Peas, Lentils, Mint,<br>Mushrooms, Peaches, Pears, Wrinkled Seed Peas, Dry Beans ..... | (202) 720-3250 |
| Daphne Schauber – Floriculture, Grapes, Maple Syrup, Nursery, Tree Nuts .....  | (202) 720-4215 |
| Chris Singh – Apples, Apricots, Plums, Prunes, Tobacco .....   | (202) 720-4288 |

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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## **USDA NASS Data Users' Meeting**

**Tuesday, October 18, 2016**

Embassy Suites by Hilton Chicago Downtown Magnificent Mile  
511 North Columbus Drive  
Chicago, IL 60611  
312-836-5900

The USDA's National Agricultural Statistics Service will be organizing an open forum for data users. The purpose will be to provide updates on pending changes in the various statistical and information programs and seek comments and input from data users. Other USDA agencies to be represented will include the Agricultural Marketing Service, the Economic Research Service, the Foreign Agricultural Service, and the World Agricultural Outlook Board. The Foreign Trade Division from the Census Bureau will also be included in the meeting.

For registration details or additional information for the Data Users' Meeting, see the NASS homepage at <http://www.nass.usda.gov/meeting/> or contact Tina Hall (NASS) at 202-720-3896 or at [tina.hall@nass.usda.gov](mailto:tina.hall@nass.usda.gov).

This Data Users' Meeting precedes the Industry Outlook Conference that will be held at the same location on Wednesday, October 19, 2016. The outlook meeting brings together analysts from various commodity sectors to discuss the outlook situation. For registration details or additional information for the Industry Outlook Conference, see the conference webpage on the LMIC website: <http://lmic.info/page/meetings>. For more information, contact James Robb at (303) 716-9933.