

| ORCHARD INFO |                         |         |     |          |     |  |
|--------------|-------------------------|---------|-----|----------|-----|--|
| Date         | Jun 25, 2012            |         |     |          |     |  |
| Orchard      | Autumn Hills            |         |     |          |     |  |
| Town         | Groton                  | State   | MA  |          |     |  |
| Phone        |                         |         |     |          |     |  |
| Operator     |                         |         |     |          |     |  |
| Tractor      |                         | Gear    |     | RPM      |     |  |
| Sprayer      | Rears                   | Gallons | 400 | Pressure | 175 |  |
|              | <b>Rears PowerBlast</b> |         |     |          |     |  |

| SPEED CALCULATION   |      |
|---------------------|------|
| Distance (feet)     | 110  |
| Time down (seconds) | 30   |
| Time back (seconds) | 30   |
| Time (average)      | 30   |
| MPH                 | 2.50 |
|                     | GPS  |
|                     |      |
|                     |      |
|                     |      |
|                     |      |
|                     |      |
|                     |      |
|                     |      |
|                     |      |

| TRV CALCULATION                  |         |
|----------------------------------|---------|
| <b>Block</b>                     | Average |
| <b>tree height</b>               | 12      |
| <b>tree width</b>                | 14      |
| <b>row width</b>                 | 20      |
| <b>Feet of row per acre=</b>     | 2,178   |
| <b>Speed (feet per minute) =</b> | 220.00  |
| <b>DGA=</b>                      | 256     |
|                                  |         |
|                                  |         |

| Nozzle #        | ml   | oz  | minutes | gal/min |
|-----------------|------|-----|---------|---------|
| L-10            |      | 0   |         |         |
| L-09            |      | 0   |         |         |
| L-08            | 680  | 23  |         |         |
| L-07            | 1230 | 42  |         |         |
| L-06            | 1590 | 54  |         |         |
| L-05            | 1195 | 41  |         |         |
| L-04            | 1105 | 38  |         |         |
| L-03            | 1135 | 39  |         |         |
| L-02            | 655  | 22  |         |         |
| L-01            | 650  | 22  |         |         |
| <b>LEFT GPM</b> |      | 280 | 0.5     | 4.38    |

| Nozzle #          | ml   | oz  | minutes | gal/min |
|-------------------|------|-----|---------|---------|
| R-10              |      | 0   |         |         |
| R-09              |      | 0   |         |         |
| R-08              | 690  | 23  |         |         |
| R-07              | 1220 | 41  |         |         |
| R-06              | 1730 | 59  |         |         |
| R-05              | 1060 | 36  |         |         |
| R-04              | 1410 | 48  |         |         |
| R-03              | 1230 | 42  |         |         |
| R-02              | 665  | 23  |         |         |
| R-01              | 695  | 24  |         |         |
| <b>BOTTOM GPM</b> |      | 296 | 1/2     | 4.62    |

|                          | all nozzles |
|--------------------------|-------------|
| <b>TOTAL GPM</b>         | 9.00        |
| <b>minutes per acre=</b> | 9.90        |
|                          |             |
| <b>GPA</b>               | <b>89</b>   |
|                          |             |
|                          |             |
|                          |             |
|                          |             |