



ONE12-156 – Integrating ground cover crops and new herbicide strategies (conventional and organic) for tree growth and soil health -- Part II.

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Lamont Fruit Farm, Mason Farms, Fowler Farms**

Herbicide Treatments and Dates Applied

Table 6. Lamont Treatments 2012.

- 1 - Prowl 4 qt. + paraquat (P) 2 pt., Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19, Aug 21.
- 2 - Prowl 4 qt. + glyphosate (G)* 2 qt., Apr 18; glyphosate, Jun 28, Aug 7; 2,4-D 2.4 qt. + glyphosate, Oct 17.
- 3 - Prowl 4 qt. + Chateau 12 oz. + P, Apr 14; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19.
- 4 - Prowl 4 qt. + Chateau 12 oz. + G, Apr 14; glyphosate May 21, Jul 19, Aug 7.
- 5 - Prowl 4 qt. + GoalTender 3 pt + P, Mar 21; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Aug 7.
- 6 - Surflan 4 qt. + P, Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Jul 19, Aug 8.
- 7 - Surflan 3 qt. + Chateau 12 oz. + P, Apr 14; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Aug 7; 2,4-D 2.4 qt., Oct 17.
- 8 - Surflan 3 qt. + Goal Tender 3 pt. + P, Mar 21; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Jul 19, Aug 21.
- 9 - Surflan 3 qt. + Matrix 4 oz. + P, Apr 18; paraquat 2 pt., Jun 6, Jun 28, Jul 19, Aug 7; 2,4-D 2.4 qt., Oct 17.
- 10 - Surflan 3 qt. + Matrix 4 oz. + Goaltender 3 pt. + P, Mar 21; paraquat 2 pt., Jun 6, Jun 20, Jul 19, Aug 21.
- 11 - Sinbar 8 oz. + P, Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19, Aug 7; Rely 2.5 qt., Oct 17.
- 12 - Paraquat 2 pt. + Aim EW 2 oz, Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19, Aug 7; 2,4-D 2.4 qt., Oct 17.
- 13 - TreeVix 1 oz.+MSO 1%+Prowl 3 qt.+Diuron 1.6 pt.+G, Apr 18; TreeVix 1 oz.+MSO 1%+Poast 2 pt.+G, Jun 28; glyphosate, Aug 21.
- 14 - Venue 4 oz.+Prowl 3 qt+Diuron 1.6 pt.+G, Apr 18; Venue 4 oz.+ G, Jun 6; Venue 4 oz.+Poast 2 pt.+G, Jun 28; Venue 4 oz.+ G, Aug 7; glyphosate, Aug 21.
- 15 - Untreated – handweeded in mid-August

All rates are rate per acre.

AMS included with glyphosate and Rely mixtures.

All paraquat, glyphosate, and Rely treatments included Induce at .25% v/v (or MSO at 1% where listed)

Herbicide Treatments and Dates Applied

Table 7. Mason Treatments 2012

- 1 - Prowl 4 qt. + paraquat (P) 2 pt., May 2; paraquat 2 pt., Jun 15, Aug 8.
- 2 - Prowl 4 qt. + glyphosate (G)* 2 qt., May 2; glyphosate, Jul 5, Aug 8.
- 3 - Prowl 4 qt. + Chateau 12 oz. + P, Apr 14; paraquat 2 pt., Jun 15, Aug 8.
- 4 - Prowl 4 qt. + Chateau 12 oz. + G, Apr 14; glyphosate Jun 15, Aug 8.
- 5 - Prowl 4 qt. + GoalTender 3 pt + P, Mar 22; paraquat 2 pt., May 30, Jul 5, Aug 8.
- 6 - Surflan 4 qt. + P, May 2; paraquat 2 pt., Jun 15, Jul 5, Aug 8.
- 7 - Surflan 3 qt. + Chateau 12 oz. + P, Apr 14; Rely 2.5 qt., May 30, Jul 18.
- 8 - Surflan 3 qt. + Goal Tender 3 pt. + P, Mar 22; paraquat 2 pt., Jul 5.
- 9 - Surflan 3 qt. + Matrix 4 oz. + P, May 2; paraquat 2 pt., Jun 15, Jul 18.
- 10 - Surflan 3 qt. + Matrix 4 oz. + Goaltender 3 pt. + P, Mar 22; paraquat 2 pt., Jul 5.
- 11 - Sinbar 8 oz. + P, May 2; paraquat 2 pt., Jun 15, Jul 18, Aug 8.
- 12 - Paraquat 2 pt. + Aim EW 2 oz, May 2; Rely 2.5 qt., Jun 15; paraquat 2 pt., Aug 8.
- 13 - Matrix 4 oz. + P, May 2; Rely 2.5 qt., Jun 15.
- 14 - Alion 5 oz. + P, May 2; Rely 2.5 qt., Jun 15.
- 16 - TreeVix 1 oz.+MSO 1%+Prowl 3 qt.+Diuron 1.6 pt.+G, May 2; TreeVix 1 oz.+MSO 1%+Poast 2 pt.+G, Jul 5
- 17 - Venue 4 oz. + Prowl 3 qt + Diuron 1.6 pt.+G, May 2; Venue 4 oz.+Poast 2 pt.+G, Jul 5.
- 18 - Diuron 4L 1.6 pt + simazine 4L 1 qt. + P, May 2; paraquat 2 pt., Jul 5, Jul 18.
- 15 - Untreated – handweeded in mid-August

All rates are rate per acre.

AMS included with glyphosate and Rely mixtures.

All paraquat, glyphosate, and Rely treatments included Induce at .25% v/v (or MSO at 1% where listed)