



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 1. Lamont Treatments 2012.

Prowl 4 qt. + paraquat (P) 2 pt., Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19, Aug 21.
 Prowl 4 qt. + glyphosate (G)* 2 qt., Apr 18; glyphosate, Jun 28, Aug 7.
 Prowl 4 qt. + Chateau 12 oz. + P, Apr 14; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19.
 Prowl 4 qt. + Chateau 12 oz. + G, Apr 14; glyphosate May 21, Jul 19, Aug 7.
 Prowl 4 qt. + GoalTender 3 pt + P, Mar 21; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Aug 7.
 Surflan 4 qt. + P, Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Jul 19, Aug 8.
 Surflan 3 qt. + Chateau 12 oz. + P, Apr 14; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 28, Aug 7.
 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.
 Surflan 3 qt. + Matrix 4 oz. + P, Apr 18; paraquat 2 pt., Jun 6, Jun 28, Jul 19, Aug 7.
 Surflan 3 qt. + Matrix 4 oz. + Goaltender 3 pt. + P, Mar 21; paraquat 2 pt., Jun 6, Jun 20, Jul 19, Aug 21.
 Sinbar 8 oz. + P, Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19, Aug 7.
 Paraquat 2 pt. + Aim EW 2 oz, Apr 18; Rely 2.5 qt., May 21; paraquat 2 pt., Jun 20, Jul 19, Aug 7.
 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.
 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, Aug 21.

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 2. Mason Treatments 2012

Prowl 4 qt. + paraquat (P) 2 pt., May 2; paraquat 2 pt., Jun 15, Aug 8.
Prowl 4 qt. + glyphosate (G)* 2 qt., May 2; glyphosate, Jul 5, Aug 8.
Prowl 4 qt. + Chateau 12 oz. + P, Apr 14; paraquat 2 pt., Jun 15, Aug 8.
Prowl 4 qt. + Chateau 12 oz. + G, Apr 14; glyphosate Jun 15, Aug 8.
Prowl 4 qt. + GoalTender 3 pt + P, Mar 22; paraquat 2 pt., May 30, Jul 5, Aug 8.
Surflan 4 qt. + P, May 2; paraquat 2 pt., Jun 15, Jul 5, Aug 8.
Surflan 3 qt. + Chateau 12 oz. + P, Apr 14; Rely 2.5 qt., May 30, Jul 18.
Surflan 3 qt. + Goal Tender 3 pt. + P, Mar 22; paraquat 2 pt., Jul 5.
Surflan 3 qt. + Matrix 4 oz. + P, May 2; paraquat 2 pt., Jun 15, Jul 18.
Surflan 3 qt. + Matrix 4 oz. + Goaltender 3 pt. + P, Mar 22; paraquat 2 pt., Jul 5.
Sinbar 8 oz. + P, May 2; paraquat 2 pt., Jun 15, Jul 18, Aug 8.
Paraquat 2 pt. + Aim EW 2 oz, May 2; Rely 2.5 qt., Jun 15; paraquat 2 pt., Aug 8.
Matrix 4 oz. + P, May 2; Rely 2.5 qt., Jun 15.
Alion 5 oz. + P, May 2; Rely 2.5 qt., Jun 15.
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
Venue 4 oz. + Prowl 3 qt + Diuron 1.6 pt.+G, May 2; Venue 4 oz.+Poast 2 pt.+G, Jul 5.
Diuron 4L 1.6 pt + simazine 4L 1 qt. + P, May 2; paraquat 2 pt., Jul 5, Jul 18.

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)