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| Table 1. Mason Farms - established 1 year |  |
| Treatment | Average % Weed Cover \* | DAT |  | % increase in TCA |
| 25-May | 21-Jun | 6-Jul | 13-Jul | 20-Jul | 10-Aug | # P sprays | \* |
| Untreated | 59 A | 60 | 94 A | 100 A | 93 A | 84 A |  |  |  93 B |
| Surflan + P | 23 BCD | 1 | 13 BCD |  27 BC |  0 C | 11 BC | 30 | 2 | 148 A |
| Prowl + P | 32 ABCD | 2 | 16 BCD |  28 BC |  0 C | 24 BC | 30 | 2 | 152 A |
| Surflan + Chateau + P | 11 CD | 19 |  3 CD |  8 BC |  4 BC | 19 BC | 42 | 2 | 129 AB |
| Prowl + Chateau + P | 13 CD | 1 |  1 D |  6 C |  3 BC | 22 BC | 42 | 2 | 140 AB |
| Surflan + GoalTender + P |  4 CD | 11 | 18 BCD |  28 BC |  0 C | 10 BC | 82 | 2 | 165 A |
| Prowl + Goaltender + P | 14 CD | 35 | 27 BCD |  0 C |  1 C | 18 BC | 76 | 2 | 122 AB |
| Matrix + P |  1 D | 5 |  0 D |  0 C |  1 C | 14 BC | 90 | 1 | 149 A |
| Surflan + Matrix + P |  1 D | 2 |  7 CD |  5 C |  3 BC | 30 BC | 90 | 1 | 139 AB |
| Surflan + Matrix + GoalTender + P |  1 D | 3 |  0 D |  1 C |  1 C | 14 BC | 90 | 1 | 126 AB |
| Sinbar + P |  4 CD | 1 |  4 CD |  13 BC | 11 BC | 14 BC | 87 | 2 | 128 AB |
| diuron + simazine + P |  9 CD | 35 | 46 BC |  6 C |  0 C | 18 BC | 73 | 2 | 142 AB |
| Prowl + glyphosate | 37 ABC | 1 |  9 BCD |  24 BC | 19 BC |  2 C | 30 | 2 | 141 AB |
| Prowl + Chateau + gyphosate | 13 CD | 0 |  1 D |  1 C |  0 C | 16 BC | 42 | 2 | 113 AB |
| Alion + P |  6 CD | 37 | 20 BCD |  31 BC |  0 C |  5 C | 79 | 1 | 158 A |
| Green Match | 52 AB | 22 | 50 B |  47 B | 42 B | 47 AB | 17 | 4 | 140 AB |
| \* = values with the same letters are not statistically different, Tukey HSD All-Pairwise Comparison |

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| Table 2. Lamont Fruit Farm - Newly planted trees (irrigated) |  |
| Treatment | Average % Weed Cover \* | DAT |  | % increase in TCA\* |
| 16-Jun | 18-Jul | 18-Aug | # P sprays |  |
| Untreated | 48 A | 100 A | 100 A |  |  |  32 F |
| Surflan + paraquat (P) |  9 BC |  27 B |  9 BCDE | 40 | 2 |  93 BCDE |
| Prowl + P |  1 C |  11 B |  3 DE | 40 | 2 | 123 ABC |
| Surflan + Chateau + P |  0 C |  7 B |  33 BCD | 65 | 1 | 130 AB |
| Prowl + Chateau + P |  1 C |  16 B |  8 CDE | 40 | 2 | 115 ABC |
| Surflan + GoalTender + P |  0 C |  18 B |  12 BCDE | 57 | 1 | 118 ABC |
| Prowl + Goaltender + P |  0 C |  22 B |  7 CDE | 57 | 1 | 110 ABC |
| Surflan + Matrix + P |  0 C |  27 B |  24 BCDE | 57 | 2 |  66 DEF |
| Surflan + Matrix + GoalTender + P |  0 C |  2 B |  18 BCDE | 65 | 1 |  97 BCDE |
| Sinbar + P |  1 C |  9 B |  39 B | 40 | 3 |  91 BCDE |
| Prowl + glyphosate |  2 C |  6 B |  36 BC | 40 | 2 | 143 A |
| Prowl + Chateau + gyphosate |  0 C |  5 B |  1 E | 52 | 1 | 118 ABC |
| Green Match | 44 AB |  83 A | 100 A | 12 | 3 |  57 EF |
| \* = values with the same letters are not statistically different, Tukey HSD All-Pairwise Comparison |