

Common milkweed control in barley (2003)

The objective of the study was to evaluate various herbicides for common milkweed control and crop tolerance.

Scale used to rate milkweed control

| | |
|---|--|
| 1 | Dead |
| 2 | Dying, will not flower |
| 3 | Moderate injury, may or may not flower |
| 4 | Slight injury, will likely flower |
| 5 | Healthy |

Express + MCPe + Starane

(Percent of plants within a size)

| | < 1" | | 1-3" | | 3-6" | | 6-10" | | >10" | |
|---|------|-----|------|-----|------|-----|-------|-----|------|-----|
| | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug |
| 1 | 57 | 89 | 51 | 90 | 29 | 94 | 45 | 92 | 22 | 29 |
| 2 | 14 | 11 | 36 | 0 | 47 | 0 | 35 | 8 | 33 | 58 |
| 3 | 14 | 0 | 5 | 2 | 24 | 3 | 19 | 0 | 33 | 13 |
| 4 | 14 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 11 | 0 |
| 5 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |

1=dead, 5=healthy

Express 0.33 oz

Rating approx 1 & 2 MAT

Express / Express + MCPe + Starane

(Percent of plants within a size)

| | < 1" | | 1-3" | | 3-6" | | 6-10" | | >10" | |
|---|------|-----|------|-----|------|-----|-------|-----|------|-----|
| | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug |
| 1 | 39 | 80 | 28 | 72 | 11 | 88 | 0 | 33 | 0 | 0 |
| 2 | 31 | 11 | 40 | 6 | 74 | 4 | 67 | 33 | 100 | 0 |
| 3 | 20 | 4 | 17 | 15 | 16 | 4 | 33 | 33 | 0 | 0 |
| 4 | 4 | 4 | 7 | 4 | 0 | 4 | 0 | 0 | 0 | 0 |
| 5 | 6 | 0 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |

1=dead, 5=healthy | Express 0.16 / 0.16 | Rating approx 1 & 2 MAT

Aim + MCPe + Starane

(Percent of plants within a size)

| | < 1" | | 1-3" | | 3-6" | | 6-10" | | >10" | |
|---|------|-----|------|-----|------|-----|-------|-----|------|-----|
| | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug |
| 1 | 50 | 50 | 20 | 47 | 9 | 41 | 9 | 49 | 3 | 13 |
| 2 | 50 | 50 | 0 | 21 | 6 | 16 | 9 | 7 | 3 | 3 |
| 3 | 0 | 0 | 30 | 21 | 29 | 23 | 17 | 18 | 17 | 16 |
| 4 | 0 | 0 | 30 | 11 | 37 | 14 | 38 | 13 | 47 | 56 |
| 5 | 0 | 0 | 20 | 0 | 20 | 7 | 28 | 12 | 31 | 13 |

1=dead, 5=healthy | Aim 0.5 oz | Rating approx 1 & 2 MAT

Aim + MCPe + Starane + Express

(Percent of plants within a size)

| | < 1" | | 1-3" | | 3-6" | | 6-10" | | >10" | |
|---|------|-----|------|-----|------|-----|-------|-----|------|-----|
| | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug | Jul | Aug |
| 1 | 38 | 67 | 36 | 71 | 22 | 70 | 50 | 77 | 13 | 62 |
| 2 | 8 | 8 | 36 | 19 | 22 | 20 | 24 | 13 | 17 | 29 |
| 3 | 31 | 17 | 14 | 10 | 22 | 10 | 21 | 8 | 53 | 9 |
| 4 | 8 | 8 | 14 | 0 | 11 | 0 | 5 | 2 | 17 | 0 |
| 5 | 15 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 |

1=dead, 5=healthy

Aim applied at 0.5 oz, Express at 0.167 oz