



# Bulletin

Extension

## Control of Insect Pests of Field Crops

Bulletin 545 – 09

### JAPANESE BEETLE ADULTS IN SOYBEAN

Following is a listing of insecticide products labeled for control of Japanese beetle adults in soybean. An asterisk (\*) indicates that use is restricted to certified applicators only.

| Pest                         | Product Name (Common Name)                                  | Amount per Acre     | Pre-Harvest Interval (days) | When to Treat   |
|------------------------------|---|---------------------|-----------------------------|---|
| Japanese Beetle              | Adjourn* (esfenvalerate)                                    | 5.8 - 9.6 fl. oz.   | 21                          | Rescue treatment is recommended when defoliation levels are greater than 40 percent pre-bloom; greater than 15 percent from bloom to pod-fill; and greater than 25 percent from full pod to harvest.<br><br>See Fact Sheet FC-22 for additional information.<br><br><sup>a</sup> Do not apply this product within 45 days of planting if soybean seeds were treated with a neonicotinoid product. |
|                              | Ambush* 25W (permethrin)                                    | 6.4 - 12.8 oz.      | 60                          |   |
|                              | Arctic* 3.2 EC (permethrin)                                 | 2 - 4 fl. oz.       | 60                          |   |
|                              | Asana* XL (esfenvalerate)                                   | 5.8 - 9.6 fl. oz.   | 21                          |   |
|                              | Battalion* 0.2 EC (deltamethrin)                            | 11.5 - 14.1 fl. oz. | 21                          |   |
|                              | Baythroid* XL (β-cyfluthrin)                                | 1.6 - 2.8 fl. oz.   | 45                          |   |
|                              | Brigade* 2EC (bifenthrin)                                   | 2.1 - 6.4 fl. oz.   | 18                          |   |
|                              | Carbaryl 4L (carbaryl)                                      | ½ - 1 qt.           | 14                          |   |
|                              | Cobalt* (chlorpyrifos & gamma-cyhalothrin)                  | 19 - 38 fl. oz.     | 30                          |   |
|                              | Consero* (spinosad & gamma-cyhalothrin)                     | 2 - 3 fl. oz.       | 45                          |   |
|                              | Delta Gold* (deltamethrin)                                  | 1.5 - 1.9 fl. oz.   | 21                          |   |
|                              | Endigo* <sup>a</sup> ZC (lambda-cyhalothrin & thiamethoxam) | 3.5 - 4.5 fl. oz.   | 30                          |   |
|                              | Grizzly Z* (lambda-cyhalothrin)                             | 3.20 - 3.84 fl. oz. | 30                          |   |
|                              | Hero* (zeta-cypermethrin & bifenthrin)                      | 4.0 - 10.3 oz.      | 21                          |   |
|                              | Kaiso* 24WG (lambda-cyhalothrin)                            | 1.67 - 2.0 oz.      | 45                          |   |
| Lambda* (lambda-cyhalothrin) | 1.60 - 1.92 fl. oz.   | 45                  |                             |   |

| Pest                          | Product Name<br>(Common Name)             | Amount per Acre                            | Pre-Harvest<br>Interval<br>(days) | When to Treat |
|-------------------------------|---|--|-----------------------------------|---------------|
| Japanese<br>Beetle<br>(cont.) | Lambda-Cy* EC (lambda-cyhalothrin)        | 3.20 - 3.84 fl. oz.                        | 45                                |               |
|                               | LambdaStar* (lambda-cyhalothrin)          | 3.20 - 3.84 fl. oz.                        | 45                                |               |
|                               | Lambda-T* (lambda-cyhalothrin)            | 3.20 - 3.84 fl. oz.                        | 45                                |               |
|                               | Leverage* 2.7 (imidacloprid & cyfluthrin) | 3.8 fl. oz.                                | 45                                |               |
|                               | Mustang Max* (zeta-cypermethrin)          | 2.8 - 4.0 fl. oz.                          | 21                                |               |
|                               | Mystic Z* (lambda-cyhalothrin)            | 1.60 - 1.92 fl. oz.                        | 45                                |               |
|                               | Penncap-M* (methyl parathion)             | 2 - 3 pt.                                  | 20                                |               |
|                               | Permethrin* (permethrin)                  | 2 - 4 oz. 3.2 AG or 3.2 EC                 | 60                                |               |
|                               | Perm-UP* (permethrin)                     | 2 - 4 fl. oz. 3.2EC<br>3.2 - 6.4 oz. 25DF  | 60<br>60                          |               |
|                               | Pounce* 25WP (permethrin)                 | 3.2 - 6.4 oz.                              | 60                                |               |
|                               | Proaxis* (gamma-cyhalothrin)              | 3.20 - 3.84 fl. oz.                        | 30                                |               |
|                               | Prolex* (gamma-cyhalothrin)               | 1.28 - 1.54 fl. oz.                        | 30                                |               |
|                               | Respect* EC (zeta-cypermethrin)           | 2.8 - 4.0 oz.                              | 21                                |               |
|                               | Sevin (carbaryl)                          | ½ - 1 qt. 4F or XLR Plus<br>⅝ - 1¼ lb. 80S | 14<br>14                          |               |
|                               | Silencer* (lambda-cyhalothrin)            | 3.20 - 3.84 fl. oz.                        | 30                                |               |
|                               | Taiga* Z (lambda-cyhalothrin)             | 3.20 - 3.84 fl. oz.                        | 30                                |               |
|                               | Tombstone Helios* (cyfluthrin)            | 1.6 - 2.8 fl. oz.                          | 45                                |               |
|                               | Tundra* EC (bifenthrin)                   | 2.1 - 6.4 fl. oz.                          | 18                                |               |
|                               | Warrior* (lambda-cyhalothrin)             | 3.20 - 3.84 fl. oz.                        | 30                                |               |
|                               | Warrior II* (lambda-cyhalothrin)          | 1.60 - 1.92 fl. oz.                        | 30                                |               |