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| **Table 2. Corn Seed Treatments and Their Relative Efficacy for Control of Seedling Insect Pests in Field Corn. Updated 10/13/2014.** | | | | | | | | | | | | | |
| **Insecticide** | **Relative Efficacy of the Seed Treatment1** | | | | | | | | | | | | |
| Rate | Corn Billbug | White  Grubs | Wire-worms | Seedcorn Maggot | Cutworm2 | Sugar- cane Beetle | Southern Green  Stink bug | Brown  Stink  bug | Chinch Bug | Southern  Corn Rootworm2 | Western  Corn Rootworm | Lesser Cornstalk Borer |
| **Active Ingredient (a.i.): clothianidin** | | | | | | | | | | | | | |
| PONCHO 250 or  ACCELERON 3 | 0.25 mg a.i./kernel | NL | F | G | G | P-F | F | F | NL | G | E | NL | G, NL |
| PONCHO 500 or  ACCELERON with  PONCHO VOTiVO   500 4 | 0.50 mg a.i./kernel | F | E | G | E | P-F | G | G | NL | G-E | E | P, NL | G, NL |
| PONCHO 1250,  ACCELERON with  PONCHO VOTiVO   1250, or PONCHO  VOTiVO 4 | 1.25 mg a.i./kernel | G | E | E | E | F-G | G | G | G, NL | E | E | F-G | E, NL |
| **Active Ingredient (a.i.): thiamethoxam** | | | | | | | | | | | | | |
| CRUISER MAXX   250 3 | 0.25 mg a.i./kernel | NL | F | G | E | P | P | P | NL | F | G-E, NL | NL | G, NL |
| PPST 250 6 | 0.25 mg a.i./kernel | NL, F | F | G | E | P | P | P | NL | F | G-E, NL | NL | G, NL |
| CRUISER MAXX   500 3  or  AVICTA COMPLETE  CORN 4 | 0.50 mg a.i./kernel | NL | G | G | E | P | F | F | NL | F | E | NL | G, NL |
| CRUISER MAXX   1250 3 | 1.25 mg a.i./kernel | G | E | E | E | F | F | G | NL | G | E | P | E, NL |
| **Active Ingredients (a.i.):thiamethoxam + chlorantraniliprole (Rynaxypyr)** | | | | | | | | | | | | | |
| PPST 250 PLUS LUMIVIA3 | 0.25 mg a.i.+0.25 mg a.i./kernel | E | G7 | VG7 | E | G7 | P | P | NL | F | G-E, NL | NL | G, NL |

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| **Table 2. (cont.)** | | | | | | | | | | | | | |
| **Insecticide** | **Relative Efficacy of the Seed Treatment1** | | | | | | | | | | | | |
| Rate | Corn Billbug | White  Grubs | Wire-worms | Seedcorn Maggot | Cutworm2 | Sugar- cane Beetle | Southern Green  Stink bug | Brown  Stink  bug | Chinch Bug | Southern  Corn Rootworm2 | Western  Corn Rootworm | Lesser Cornstalk Borer |
| **Active Ingredient (a.i.): imidacloprid** | | | | | | | | | | | | | |
| IMIDA E-AG 5 FST,  SENATOR 600,  IMIDACLOPRID 5,  ATTENDANT 600 | 0.60 mg a.i./kernel 5 | NL | G | G | E | P, NL | P, NL | P, NL | NL | F | G, NL | NL | NL |
| LATITUDE 5 | 3.5 oz./ hundred-weight | NL | F, NL | G | G | NL | NL | NL | NL | F, NL | G, NL | NL | NL |
| CONCUR 3 | 1.5 oz./  42 lb. seed | NL | F | G | G | NL | NL | NL | NL | F, NL | G, NL | NL | NL |
| **Active Ingredient (a.i.): permethrin** | | | | | | | | | | | | | |
| KERNEL GUARD  SUPREME 3 or  KICKSTART VP 3 | 1.5 oz./  42 lb. seed | NL | F, NL | P? | F | NL | NL | NL | NL | NL | NL | NL | NL |
| 1 E = highly effective, G = effective, F = inconsistent results, P = not effective, based on trials in the Southeastern U.S.; L = insect is on the label for this product; NL = insect is not on the label for this product. In this case it is best to assume that the product is ineffective against that particular pest, unless there is specific knowledge to the contrary about product efficacy in the Southeast.  2In the Southeast, several species of cutworms overwinter as medium to large-sized larvae. They may be capable of cutting considerable numbers of seedlings before they eat a lethal dose of the insecticide. Black cutworm, the cutworm that appears on the label of most of these products, has a different life cycle in which eggs are laid in the spring, so that black cutworm larvae will be small if they have hatched out by the time the corn is planted. Southern corn rootworm larvae are a seedling pest, not a mid-season pest like western corn rootworm larvae. Ratings based on input from the Southern Corn Insect Working Group who meet at the Annual Meeting of the Southeastern Branch, Entomological Society of America.  3 Product name as marketed included fungicides.  4Product name as marketed included fungicides and a nematicide. AVICTA COMPLETE CORN contains abamectin; PONCHO VOTiVO contains *Bacillus firmus* I-1582.  5 Other rates for this active ingredient are available. See label.  6Product name as marketed contains fungicides and a biological growth promoter.  7Product sell sheets state that this product provides enhanced control of white grubs, wireworms, and cutworms relative to PPST 250. Therefore efficacy ratings were increased by one level relative to PPST 250. | | | | | | | | | | | | | |