

## **More Options for Potato Insecticides in 2009**

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**Beleaf 50 SG** (EPA Reg. No. 71512-10-279 ) contains 0.5 lb of flonicamid per lb of product and is formulated for use as a foliar spray in managing aphids, plant bugs and whiteflies. The active ingredient (flonicamid) is a selective feeding blocker (IRAC Group 9C) and paralyzes the sucking pump of sap-feeding insects. Application rates range from 2-2.8 oz/acre; intoxicated aphids starve to death over a 2-4 day period. This product will not control the Colorado potato beetle or leafhoppers.

**Cruiser 5FS** (EPA Reg. No. 100-941) is a liquid seed treatment formulation containing 5 lbs of the plant systemic insecticide, thiamethoxam, per gallon of product. Thiamethoxam is a neonicotinoid insecticide (IRAC Group 4A) and is useful in managing the Colorado potato beetle, flea beetles, leafhoppers and aphids. Application rates for seed tubers range from 0.11 to 0.16 fl oz per 100 lbs of seed, depending on seeding rate.

**CruiserMaxx Potato** (EPA Reg. No. 100-1248) is a liquid formulation containing a plant systemic insecticide (thiamethoxam) and a fungicide (fludioxonil) for treating potato seed pieces prior to planting. Thiamethoxam is a neonicotinoid insecticide (IRAC Group 4A) and is useful in managing the Colorado potato beetle, flea beetles, leafhoppers and aphids. Application rates range from 0.19 to 0.27 fl oz per 100 lbs of seed, depending on seeding rate.

**Radiant SC** (EPA Reg. No. 62719-545) is a spinosyn (IRAC Group 5) insecticide labeled for rates of 6-8 oz per acre and contains 1 lb of spinetoram per gallon of product. Radiant SC is formulated for use as a foliar spray in managing the Colorado potato beetle and European corn borer and has no activity against leafhoppers or aphids.

**Trigard** (EPA Reg. No. 100-654) contains 0.75 lb of cyromazine per lb of product and is formulated for use as a foliar spray. This product acts as an insect moulting disruptor (IRAC Group 17) and is useful in managing small larvae of the Colorado potato beetle. This product is an excellent choice in managing insecticide resistance because of its unique mode and site of action. Rates range from 2.7-5.3 oz/acre.

**Warrior II** (EPA Reg. No. 100-1295) contains 2.08 lb lambda-cyhalothrin per gallon of product and is useful in managing European corn borer, plant bugs, flea beetles and leafhoppers as well as pyrethroid-susceptible populations of the Colorado potato beetle. This product is a sodium channel modulator (IRAC Group 3) and is formulated for use as a foliar spray at rates ranging from 1.28 -1.92 fl oz per acre, depending on the target pest.