

CRUISER 5FS: SUPPLEMENTAL LABEL FOR USE ON EDIBLE BEANS

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A supplemental label has been approved in Virginia for the use of Cruiser 5FS (Syngenta Crop Protection, Inc.) seed treatment for beans, both shelled and edible podded. Snap beans and wax beans are included on this label, as well as lima beans, broad beans, blackeyed peas, southern peas, cowpeas, runner beans, asparagus beans, Chinese longbeans, moth beans and yardlong beans.

Cruiser 5FS contains the active ingredient thiamethoxam, which is in the neonicotinoid class of chemistry. Thiamethoxam is systemic and provides excellent control of many insect pests. Cruiser 5FS is a seed treatment and must be applied to the seed in accordance with the directions on the label. The rate is 0.76 - 1.28 fl oz/100 lb of seed. However, most often, growers will simply purchase Cruiser-treated seed.

Seed treatments such as Cruiser provide effective early season insect control when the plants are small and hard to spray effectively with foliar materials. Insect pests of beans for which Cruiser is labeled include seed-attacking pests, such as wireworms and seed corn maggots, as well as above-ground pests such as, bean leaf beetle, aphids, and leafhoppers. Research data indicate that Cruiser provides effective control of potato leafhoppers (Fig. 1) and early season control of bean leaf beetles (Fig. 2), both of which are important pests of snap beans in Virginia. Although they are not specifically listed on the bean label, leaf-feeding thrips should also be controlled or suppressed by Cruiser, since Cruiser is labeled for cotton seed for early season thrips protection.

Cruiser will not protect against pod-feeding insects such as European corn borer or corn earworm. Also, since the insecticide is not translocated to plant reproductive tissue, bean leaf beetle and thrips feeding on blossoms or pods will not be controlled by Cruiser seed treatment. Thus, a normal insecticide spray regime to protect pods is recommended even if Cruiser-treated seed is planted. The supplemental Cruiser label is available on the Syngenta website or the following web site: <http://www.cdms.net/lдат/ld59U012.pdf>.



Fig. 1 Potato leafhopper



Fig 2 Bean leaf beetles

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