

QuickGuard



A plant species that establishes itself in a previously barren environment, QuickGuard provides solutions for erosion control, allowing growing time for perennial plant establishment. QuickGuard is the GREEN solution!

Information

Seeding with fast germinating species may be the best means of stabilizing soils under certain conditions. Hybrid species have been developed to be a more perfect cover crop: fast germinating and non-persistent so that they will not compete with the more desirable native plants. Sterile Triticale Hybrid, known as QuickGuard, is one of the best cover crops available: QuickGuard is a non-reseeding annual which is hardy and durable, but not persistent or invasive. Adaptable to either spring or fall planting, it is cold tolerant, with good winter survival, and drought tolerant as well. In studies by the National Research Council of the National Academy of Sciences, QuickGuard performs better than wheat on a wide range of soil conditions: dry and sandy soils, infertile soils, acid and alkaline soils, cold soils and mineral deficient or high boron soils. QuickGuard develops a dense fibrous root system and upright growth habit to stabilize soils while allowing desirable perennial species to establish.

Disclaimer

Quickguard plants are sterile because their anthers do not shed pollen needed for pollination and seed production. Under some circumstances a small percentage of the anthers in a Quickguard stand may rupture and shed pollen, and consequently become capable of causing pollination and seed production. If environmental conditions are favorable for the dispersal of that pollen and for successful pollination, then seed may be produced on the plant that sheds the pollen and even on neighboring plants as well. If the resulting seed survives and reaches a favorable location and conditions for germination and growth, then reseeding of Quickguard can occur. The proximity of offsite fertile triticale plants or onsite contaminants can also be factors in possible seed set and reseeding if conditions are favorable for pollen production, dispersal, pollination, seed production, germination, and growth. Quickguard plants are cool-season annuals, so will not persist at a site unless all these conditions for pollen release, pollination, seed survival, germination, and growth occur.

Since its release, Quickguard has had an outstanding record for stand establishment, site stabilization, and restoration of desired habitat. Reported incidences of reseeding have been extremely rare, but suggest that the risk of reseeding increases under the following conditions:

- High initial seeding rate (e.g. 100 or more lbs / acre) and favorable growing conditions resulting in a dense, vigorous stand of Quickguard plants.
- Cool, breezy, humid (though not rainy) conditions when anthers become visible.
- Adequate soil moisture, but good drying conditions, for seed filling and maturation.
- Dry summer weather to prevent premature sprouting, mowing or other means of seed dispersal and soil contact, followed by adequate sustained moisture in the fall for germination and stand establishment.

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