

Progress report on Igran.

Growers weigh pros and cons of new wheat herbicide.

New Igran herbicide isn't perfect. Nothing is. But it will control such tough weeds as gromwell, henbit, tarweed, urple mustard, dogfennel, speedwell, chickweed, and Pacific meadow foxtail. And it can be sprayed either fall or spring; anytime until weeds are four inches high.

> Here are some commonly asked questions that you also may have in evaluating the usefulness of Igran for your wheat program.

What other weeds and grasses will it control? Catchweed, pennycress, bedstraw, china lettuce, shepherdspurse, knotweed and most other annual broadleaf and grassy weeds that are a problem in Northwest wheat fields.

What weeds are not controlled by Igran?

It won't do a good enough job on crowfoot (buttercup), knawal, lupine, wild carrot, wild oats, bulbous bluegrass, tansey mustard, bindweed, Canada thistle.

How about cheatgrass?

Under certain conditions, Igran has given good cheatgrass control. In other cases control has been poor. Our experience indicates that the shorter the period between application and cheat germination, the better the control. In post-emergence spring applications, better control has occurred under warmer temperatures and when cheat is in early seedling stage. Even though cheat control has varied, Igran has often given sufficient control to allow wheat to make a crop.

What about spray timing?

Igran is the first herbicide that can be applied preemergence...at planting time or shortly after. Or it can be applied post-emergence, either this fall or next spring, anytime until weeds are 4 inches high.

What's the big plus for pre-emergence use?

Applying Igran at planting or shortly after planting gets the herbicide on early, before any weeds or grasses emerge to compete with the crop for moisture or nutrients. When applied during the planting operation, it can also save an extra trip over the field. This eliminates the soil erosion problem caused by wheel tracks.

How safe is Igran to wheat?

Wheat has a higher tolerance for Igran than it has for any other herbicide on the market. This is why Igran can even go on at planting time.

How does Igran actually work?

When applied pre-emergence, before weeds are up, Igran is carried down into the soil by rain. There it is absorbed by the weeds as the weed seeds germinate. Igran disrupts the photosynthesis process, the plant yellows and, soon after breaking ground, dies. In a post-emergence application, after weeds are up, Igran works the same way except that it kills the above-ground part of the weeds on contact as well as controlling later weeds as they germinate.

Can Igran go on by air?

Yes, aerial applications work just as well as ground sprays, provided the application is uniform.

What about following with other crops?

There's no problem with planting peas, lentils, or fall barley on Igran treated wheatland. In fact, there's no problem with replanting wheat if some should be winterkilled.

How thoroughly has Igran been tested?

Tests have been going on in Idaho, Washington and Oregon for the past 5 years. Last year alone some 60 growers used it in large scale field trials in these 3 states. That's how we know that Igran does the job on so many of the weeds that 2,4-D won't get.

How can I get more information?

If you still have questions about how Igran may fit your particular growing situation, we'll be glad to help. Just drop a line to Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation, Ardsley, New York 10502. **Igran by Geigy**