

107

Igran[®]

80W

ACCEPTED

MAY - 1 1984

Insecticide.
Fungicide Act.
Pesticide

100-496

Herbicide

For weed control
in winter wheat,
winter barley,
grain sorghum,
and noncrop land
areas

**Five
Pounds**
Net Weight

Active Ingredients:
Terbutryn: 2-tert-
butylamino-4-ethyl-
amino-6-methyl-
thio-s-triazine 76%
Related
compounds 4%

Inert Ingredients: 20%
Total: 100%
EPA Reg.No.100-496
EPA Est. 100-AL-1

Igran 80W is a
wetable powder

Keep Out of Reach
of Children.

Warning

See additional
precautionary state-
ments on left panel.

See directions for use on
panel at right.

CIBA-GEIGY

Igran[®] 80W

100-496 2)

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

General Information

Igran 80W is a selective herbicide for control of many annual broadleaf weeds and grasses. The weeds controlled are as follows:

Wheat and Barley

bedstraw	Jacob's ladder
blue lips	mayweed
bur buttercup	(dogfennel)
catchweed	miners lettuce
chickweed	Pacific meadow
(common and umbellate)	foxtail
China lettuce	pineappleweed
coastal fiddleneck	prickly lettuce
(tarweed)	prostrate
corn groundwell	knotweed
corn spurry	redstem filaree
cow cockle	sheepspurse
fa'sellax	speedwell
(Camelina)	(snow weed)
field pennycress	spring beauty
henbit	Jim Hill mustard*
	blue mustard*

Sorghum

annual groundcherry	pigweed
carpetweed	puncturevine
crabgrass	ragweed
foxtail	Russian thistle
jungleweed	smartweed
kochia	velvetleaf
lambquarters	barnyardgrass
morningglory	(watergrass)

Noncrop Areas

barnyardgrass	kochia
blue mustard	nightshade
carpetweed	pepperweed
chickweed	pigweed
China lettuce	purslane
cocklebur	tarweed
dogfennel	teaweed
fiddleneck	tumbleweed
field pennycress	white sweet clover
green foxtail*	wild buckwheat*
groundwell	wild mustard
henbit	

*Some mustards (Jim Hill and blue mustard) can be effectively controlled if treated while they are very small. However, late germinating mustard seedlings may not be controlled in fallowed noncrop areas. Igran gives partial control of green foxtail and wild buckwheat.

Following many years of continuous use of this product and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by this and related herbicides. Where this is known or suspected, and weeds controlled by this product are expected to be present along with resistant biotypes, we recommend the use of this product in registered combinations or in sequence with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide. Consult with your State Agricultural Extension Service for specific recommendations.

When applied before weeds emerge, Igran 80W enters weeds through their roots after germination. Preemergence effectiveness depends, therefore, on rainfall or irrigation to move Igran 80W into the soil. Very dry soil conditions may necessitate a shallow cultivation. When applied to emerged weeds, Igran 80W provides foliar knockdown of existing weeds and residual control of later germinating weeds.

In each case where a range of rates is given, the lower rate should be used on relatively coarse-textured soils or soils low in organic matter; the higher rate should be used on relatively fine-textured soils or soils high in organic matter.

For Igran 80W alone on winter wheat or sorghum, nonpressurized liquid fertilizer may replace all or part of the water as carrier for ground application.

FAILURE TO FOLLOW THE PRECAUTIONS AND DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR PERFORMANCE, AND/OR ILLEGAL RESIDUES.

Mixing Instructions

Igran 80W is a wettable powder formulation to be mixed with water or nonpressurized liquid fertilizer solutions and applied as a spray. For sprayers or nurse tanks which have continuous agitation (mechanical or hydraulic), Igran 80W does not have to be premixed as a slurry. Fill the tank 1/2 full of water. Start agitation and add the proper amount of Igran 80W to the tank. Allow the Igran 80W time to wet. Continue to fill the tank with water. Continue agitation for several minutes prior to spraying, as well as during the spraying operation.

For sprayers which have agitation dependent upon the forward motion of the spray rig, the Igran 80W should be premixed as a slurry. Make a slurry by adding Igran 80W to a small amount of water in a separate container. Then pour the slurry into the spray tank partially filled with clean water, and add the rest of the water. The forward motion of the spray rig should not stop until the tank is empty as agitation is required during the spraying operation to keep the material in suspension.

It is best to empty the spray tank completely before shutting off the pump and agitator. However, if the spray mixture stands in the tank before use, agitate for several minutes to obtain a uniform suspension before starting to spray. Wash sprayer thoroughly with clean water immediately after use.

Ground Application: For uniform distribution, use conventional spray equipment with fan-type nozzles. Screens in nozzles and in suction and in-line strainers should be no finer than 50-mesh. Use hydraulic or mechanical agitation during mixing and application to maintain a uniform suspension. Use a pump with capacity to maintain 35-40 psi at the nozzles. If hydraulic agitation is used, the pump should also provide sufficient agitation in the tank to keep the mixture in suspension. Unless otherwise specified, use a minimum of 20 gals. of water or nonpressurized liquid fertilizer per acre for ground application.

For band applications in sorghum, calculate the amount to be applied per acre as follows:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Rate A for broadcast treatment} = \text{Amount needed for band treatment}$$

Aerial Application: Use aerial application only where broadcast applications are specified. Apply Igran 80W alone or in combinations in a minimum of 5 gals. of water per acre. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. In order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 ft., using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive non-target plants, apply Igran 80W alone, or in combination with Milogard[®], by aircraft at a minimum upwind distance of 300 ft. from sensitive plants, or apply Igran 80W + AAtrex[®] and Igran 80W + AAtrex + paraquat at a minimum upwind distance of 500 ft. from sensitive plants. For additional precautions, see Precautionary Statements section at the end of the label.

Directions for Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Winter Wheat and Barley

Preemergence (Winter Wheat Only — Washington, West of the Cascades Only)

Apply to winter wheat after planting and before emergence.

Igran 80W Alone. Apply at rates listed in Table 1.

Postemergence (Winter Wheat — Washington, Oregon, Idaho and Utah, Winter Barley — Washington, Oregon, and Idaho)

Apply only after the crop is fully tilled and as soon as the crop has well developed secondary (crown) roots (minimum two inches in length) but prior to jointing. If the crop does not reach this stage of development in the fall, Igran 80W alone or tank mixed with Sencor[®] or Lexone[®] may be applied in early spring. Maximum weed control effectiveness is achieved from early applications, however, treatment prior to the development of the secondary root system may result in increased winter injury in the event of severe weather conditions.

Igran 80W Alone: For effective weed control, apply at rates in Table 1 before weed rosettes have a 3 in. diameter or weeds exceed 4 in. in height.

Igran 80W + Sencor (50WP, 4, DF) or Lexone (50W, 4L, DF)

Tank mix Igran 80W + Sencor or Lexone at rates in Table 2 to control many of the weeds listed on the Igran and Sencor or Lexone labels. Refer to each label for the list of weeds controlled, precautions, and variety and geographical restrictions. This tank mix will only give partial control of downy brome. For optimum control, apply prior to the three-tiller stage of downy brome. *Note:* Do not use on irrigated wheat or barley.

Table 1

Soil Texture	Lbs. A of Igran 80W*	
	Wheat	Barley
Sand	DO NOT USE	DO NOT USE
loamy sand		
Sandy loam, silts,	1.5-2.75 lbs	1.5-2.25 lbs
clay loam		

Preemergence applications of Igran 80W may be mixed with either water or nonpressurized fertilizer solutions as a carrier on wheat. Nonpressurized liquid fertilizer solutions should not be used as a carrier for Igran 80W on barley or injury may occur.

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Table 2

Wheat and Barley		
Soil Texture	Lbs. A Igran 80W	Lbs./A Sencor DF or Lexone DF*
Sand, loamy sand	DO NOT USE	DO NOT USE
Sandy loam, silts, clay loam	0.75-1	0.33

*0.33 lb. A Sencor or Lexone DF is equivalent to 0.5 pt. A Sencor 4 or Lexone 4L, or 0.5 lb. A Sencor 50WP or Lexone 50W

Precautions. Wheat and Barley (Postemergence) — 1) Do not apply before there is a well developed secondary root system (crown roots) on the wheat or barley plants or crop damage may occur. 2) Do not make more than one application per crop cycle. 3) Do not make postemergence applications after temperatures exceed 70°F or crop damage may occur. 4) Fields on which Igran 80W has been applied should not be planted to any crop other than wheat or barley for 9 months following application. 5) Wheat and barley growing on thinly covered or exposed subsoil areas (clay knobs), are more susceptible to yellowing from applications of Igran 80W. This yellowing is usually temporary.

Note. Do not feed green forage or graze treated areas to livestock for six months following application.

Grain Sorghum

Igran 80W may be applied alone or in tank mix combination with either AAtrex or Milogard prior to planting with shallow incorporation, at planting time, or immediately following planting, but before weeds and sorghum emerge. Igran 80W may also be applied in tank mix combination with AAtrex and paraquat where grain sorghum will be planted directly into cover crop, established sod, or in previous crop residues. Apply during or after planting, but before sorghum emerges. Do not apply to emerged sorghum. When applying preplant with shallow incorporation, apply within 2 weeks of planting and incorporate into the top 1-2 inches of soil using a rolling cultivator, rotary hoe, spike-tooth harrow, or similar implement. For sorghum planted on beds, apply and incorporate after bed formation.

In case of planting failures, sorghum may be replanted into soil previously treated with Igran 80W or Igran combinations. Do not apply a second broadcast application, or injury may occur if Igran 80W or Igran combinations are applied in a band, and sorghum is replanted in the untreated row middles. Igran 80W or Igran combinations may be applied in a band to the second planting.

If irrigation is necessary, irrigate during the first 36 hours after planting or wait until the sorghum is at least two inches tall, or injury may occur.

Igran 80W Alone: Apply Igran 80W at the rate indicated in Table 3 or 4.

Table 3

Annual Broadleaf and Grass Weed Control		
Region	Soil Texture	Broadcast Rate Per Acre
All sorghum growing regions of the U.S. except states shown below	sand, loamy sand	DO NOT USE
	sandy loam to loam	2.5 lbs
	silt loam to clay	3 lbs
Eastern Colorado, South Dakota, Illinois, Iowa, Kansas, Minnesota, Missouri, and Nebraska	sand	DO NOT USE
	loamy sand	2-2.5 lbs
	sandy loam to loam	2.5 lbs
	silt loam to clay	3 lbs

Table 4

Annual Broadleaf Weed Control Only		
Region	Soil Texture	Broadcast Rate Per Acre
Kansas, Oklahoma, New Mexico, Texas, and the desert regions of Arizona and California	sand	1 lb
	loamy sand	1.5 lbs
	all other soil textures	2 lbs

Igran 80W + Milogard or Igran 80W + AAtrex: A tank mixture of Igran 80W + Milogard or Igran 80W + AAtrex can be used in the regions indicated below. For more consistent weed control than when Igran 80W is used alone. Apply the tank mixture at the rate indicated in Table 5. Do not use either combination on sand or loamy sand soils.

Table 5

Annual Broadleaf and Grass Weed Control				
Region	Soil Texture	Broadcast Rate Per Acre		
		Igran 80W	Milogard Maxx [®] 90 [®]	AAtrex Nine-O [®]
Illinois, Iowa, Eastern Kansas, Minnesota, Missouri, and Eastern and Central Nebraska, South Dakota	sandy loam	2 lbs	0.45 lb	DO NOT USE
	loam and finer	2-2.5 lbs.	DO NOT USE	0.9 lb.
Central Kansas, Western Nebraska, Oklahoma, and Texas	sandy loam	2 lbs	0.45 lb	DO NOT USE
	loam and finer	2-2.5 lbs.	0.9 lb.	DO NOT USE
Eastern Colorado, and Western Kansas	sandy loam and finer	2 lbs	0.45 lb	DO NOT USE

*When using Milogard 4L, Milogard 80W, AAtrex 4L, AAtrex 4LC or AAtrex 80W, use equivalent rates. 0.9 lb. of Nine-O or Maxx 90 equals 1 lb. of 80W. 0.9 lb. of Nine-O or Maxx 90 equals 1.6 pts. of 4L or 4LC.

Igran 80W + AAtrex + Paraquat: Apply the tank mixture at the rates indicated in Table 6. Refer to paraquat label concerning directions, limitations, and cautions for use of that product. The addition of 2,4-D (ester) at 0.5 lb. active ingredient per sprayed acre may aid in the suppression of perennial broadleaf weeds and large annual broadleaf weeds present before application. Refer to 2,4-D labels registered for use on grain sorghum for directions, limitations, and cautions. Apply in 20-40 gals. diluted spray per acre. Add a nonionic surfactant such as X-77[®] at 1 to 2 pts. per 100 gals. diluted spray. Use only water or nitrogen solutions as a carrier. Add Igran to spray tank first, mixing thoroughly in carrier. Next, add AAtrex, 2,4-D (if used), paraquat and X-77. Maintain agitation of carrier at all times.

Table 6

Broadleaf and Grass Control			
Soil Texture	Broadcast Rate Per Acre		
	Igran 80W	AAtrex Nine-O [®]	Paraquat
COARSE Sand, loamy sand	DO NOT USE	DO NOT USE	DO NOT USE
MEDIUM: Loam, silt loam, silt	2 lbs	0.9 lb	1-2 pts
FINE: Silty clay loam, sandy clay loam, clay loam, sandy clay, silty clay, clay	2.5 lbs	1.8 lbs	1-2 pts

*When using AAtrex 4L, AAtrex 4LC or AAtrex 80W, use equivalent rates. 0.9 lb. of Nine-O equals 1.6 pts. of 4L or 4LC. 0.9 lb. of Nine-O equals 1 lb. of 80W.

Winter Weed Control in Texas: For post-emergence control of winter weeds only, such as henbit (purple top), seeding dock, or annual thistle on fall bedded land in the Texas Gulf Coast and Blacklands of Texas, apply 0.75 to 1 lb. of Igran 80W per acre, postemergence to the weeds in the fall or winter to land that will be planted to sorghum the following spring. For best results, add a suitable surfactant, such as X-77, at the rate of 0.5% of the spray volume, an emulsifiable oil at the rate of 1.0% of the spray volume, or an oil concentrate at the rate of 1 qt. per acre.

Normal programs of weed control may be used in the following sorghum crop.

Note: Do not plant any crop except grain sorghum the spring following this treatment.

Precautions: Igran 80W alone and Igran 80W combinations — 1) Apply only on sorghum planted after the minimum soil temperature has reached 60°F or more for at least three consecutive days. 2) Do not wait more than two days after planting to apply. Do not apply over emerged sorghum, or crop injury may occur. 3) Rainfall or overhead irrigation at the time of sorghum emergence and until the sorghum is 2 inches tall may cause injury to sorghum. 4) Do not apply to millets, sudan sorghum hybrids, or sorghum breeding stocks, or injury may occur. 5) Applications may result in crop injury when made to sorghum growing on alkali soils, caliche outcroppings, or where cuts, fills, or erosion have exposed calcareous subsoil. 6) To avoid concentration of herbicide in the seed furrow, do not make a broadcast application to sorghum planted in furrows deeper than two inches. Width of the band should not exceed the width of the bottom of the furrow. 7) Do not apply a second application to the same crop, or injury may occur.

Note: (Igran 80W alone and Igran 80W combinations) Do not graze or feed forage from treated areas.

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Suggestions for Crop Rotation:

Following Igran 80W Alone.

- 1) Sorghum stubble should be plowed (disk or moldboard) prior to planting the next crop
- 2) Rotational crops may be planted as follows
4 months: winter wheat
7 months or longer: all other crops following normal agricultural practices and planting dates

Following Igran 80W + AAtrex and Igran 80W + AAtrex + paraquat. 1) Land treated with Igran 80W + AAtrex should not be planted to any crop except corn or sorghum until the following year, or injury may occur. 2) If applied after June 10, do not rotate with crops other than corn or sorghum the next year, or injury may occur. 3) Injury may occur to soybeans planted in north central and northwest Iowa, south central and southwest Minnesota, southeast South Dakota, and northeast Nebraska the year following an application on soils having a calcareous surface layer. 4) Do not plant sugar beets, tobacco, vegetables (including dry beans), spring-seeded legumes, and grasses the following year, or injury may occur.

Following Igran 80W + Milogard.

Sorghum, cotton, or corn may be planted 12 months after application. All other crops may be planted 18 months after application.

When applying Igran combinations, see the General Information section, caution statements, and precautions listed on the AAtrex and Milogard labels for further information.

Chemical Fallow

Wheat-Sorghum-Fallow

AAtrex 4L (4LC), AAtrex 80W, or AAtrex Nine-O may be used to control annual weeds after wheat harvest and in the following sorghum crop when grown under minimum tillage. Refer to the AAtrex label for directions, precautions, and limitations.

Tank Mixtures for Wheat-Sorghum-Fallow

If weeds are present at time of application (in late July or August following wheat harvest), Igran 80W may be tank mixed with AAtrex to control existing annual weeds. Broadcast 2-2.5 lbs. of Igran 80W plus 6 pts. of AAtrex 4L (4LC) (or 3.75 lbs. of AAtrex 80W, or 3 lbs. of AAtrex Nine-O) per acre. Add 1-2 pts. of a nonionic surfactant (such as X-77) per 100 gals. of spray mixture. Add Igran 80W to the spray tank first and thoroughly mix with the water. Then add the AAtrex, followed by the surfactant. Use the 2.5 lb. rate of Igran 80W if weeds are 4-6 inches tall. This mixture will not control weeds taller than 6 inches. Plant sorghum into the wheat stubble the following spring with minimum disturbance of the soil. Use a surface planter or a planter leaving a shallow furrow. If weeds are present at the time of sorghum planting, remove them with a sweep plow or other suitable implement before planting. Refer to the AAtrex label for further directions, precautions, and limitations.

Note: Do not graze or feed forage from treated areas.

Wheat-Corn-Fallow (KS and NE)

AAtrex 4L (4LC), AAtrex 80W, or AAtrex Nine-O may be used to control annual weeds after wheat harvest and in the following corn crop when grown under minimum tillage. Refer to the AAtrex label for directions, precautions, and limitations.

Tank Mixtures for Wheat-Corn-Fallow (KS and NE)

If weeds are present at time of application (in late July or August following wheat harvest), Igran 80W may be tank mixed with AAtrex and applied to control existing annual weeds. Follow directions for use in the Wheat-Sorghum-Fallow section above, substituting corn for references to sorghum.

Wheat-Fallow-Wheat (CO, KS, MT, NE, ND, SD, and WY)

AAtrex 4L (4LC), AAtrex 80W, or AAtrex Nine-O may be used for preemergence control of annual weeds during the fallow period of a wheat-fallow-wheat rotation. If AAtrex is applied alone in late summer after wheat harvest, Igran 80W may be applied the following spring at 2-2.5 lbs. A to control escaping weeds. Add 1-2 pts. of a nonionic surfactant (such as X-77) per 100 gals. of spray mixture. Use the 2.5 lb. rate if weeds are 4-6 inches tall. Igran 80W will not control weeds taller than 6 inches. Treat with Igran 80W only once during the same fallow period, and plant wheat no sooner than 4 months after application of the Igran 80W alone and no sooner than 12 months after the AAtrex application. Refer to the AAtrex label for directions, precautions, and limitations.

Tank Mixtures for Wheat-Fallow-Wheat (CO, KS, MT, NE, ND, SD, and WY)

If weeds are present at time of application (normally in late July or August following wheat harvest), Igran 80W may be tank mixed with AAtrex to control existing annual weeds. Broadcast 2-2.5 lbs. of Igran 80W plus 1-2 pts. of AAtrex 4L (4LC) (or 0.6-1.25 lbs. of AAtrex 80W, or 0.5-1.1 lbs. of AAtrex Nine-O) per acre. Add 1-2 pts. of a nonionic surfactant (such as X-77) per 100 gals. of spray mixture. Add Igran 80W to the spray tank first and thoroughly mix with the water. Then add the AAtrex, followed by the surfactant. Use the 2.5 lb. rate of Igran 80W if weeds are 4-6 inches tall. This mixture will not control weeds taller than 6 inches. Treat with this tank mixture only once during the same fallow period. Use tillage to control weeds which escape during the fallow period. Plant wheat no sooner than 12 months after application. Refer to the AAtrex label for further directions, precautions, and limitations.

Note: Do not feed forage or graze treated areas to livestock for six months following application.

Wheat-Fallow-Wheat, Sorghum-Fallow-Wheat (Great Plains, including OK, N. TX)

Apply Igran 80W preemergence or postemergence at 2-2.5 lbs. A in the spring at the start of the fallow period (as soon as possible following harvest in a winter wheat-fallow-wheat rotation). Use the higher rate when weeds are 4-6 inches tall. Igran 80W will not control weeds taller than 6 inches. Postemergence weed control is improved by adding a nonionic surfactant, such as X-77 at 1-2 pts. per 100 gals. of spray mixture, an emulsifiable oil at 2-4 qts. A or an oil concentrate at 1-2 pts. A. Treat only once during the fallow period, and do not plant wheat sooner than 4 months after application (2 months in Kansas, Oklahoma, and northern Texas). Shallow cultivation or paraquat at 1-2 pts. A + X-77 surfactant at 1-2 pts. per 100 gals. of spray solution may be used to control weeds which escape or reinfest during the fallow season.

Note: Do not feed green forage or graze treated areas for 6 months following application.

Tank Mixes for Wheat-Fallow-Wheat (Great Plains, including OK, N. TX.)

For control of established weeds, tank mix Igran 80W with one of the following herbicides or stubble plow to control large established weeds. The following tank mixes will not control weeds taller than 6 inches. Use the higher rate of each product when weeds are 4-6 inches tall. Treat only once during the fallow period and do not plant wheat sooner than 4 months after application (2 months in Kansas, Oklahoma, and northern Texas). Shallow cultivation may be used to control weeds which escape during the fallow season. A nonionic surfactant, such as X-77 at 1-2 pts. per 100 gals. of spray mixture, should be added to each tank mix.

Note: Do not feed green forage or graze treated areas for 6 months following application.

Paraquat: Apply 1-2 pts. A of paraquat in tank mix with 2-2.5 lbs. A of Igran 80W if weeds are present at application. Refer to the paraquat label for further directions, precautions, and wheat rotation restrictions.

2,4-D (various labeled amine and low volatile ester formulations): Apply 0.5-1 lb. active ingredient per acre of 2,4-D in tank mix with 2-2.5 lbs. A of Igran 80W. Refer to the 2,4-D labels for further directions, precautions, and wheat rotation restrictions.

Sencor [50WP, 4, DF] (CO, KS, MT, NE, WY only): Apply 0.5-0.67 lb. A of Sencor DF, 0.75-1 pt. A of Sencor 4, or 0.75-1 lb. A of Sencor 50WP in tank mix with 2-2.5 lbs. A of Igran 80W. Do not plant wheat sooner than 4 months after application. Refer to the Sencor labels for further directions, precautions, and wheat rotation restrictions.

Noncrop Land

Igran 80W provides weed control on railroad rights-of-way and on other noncrop land sites.

Do not use this product for nonselective weed control on land to be cropped, near adjacent desirable trees, shrubs, or plants, or in greenhouses, or injury may occur.

Apply Igran 80W to emerged actively growing weeds not more than 6 inches in height at 2.5-3 lbs. A. Apply in at least 20 gals. of water per acre. A surfactant such as X-77, duPont WK, or Tronic may be added to the spray mixture at the rate of 2 qts. per 100 gals. of spray (0.5% of spray volume). Cover weeds thoroughly with spray for good control. For extended weed control, Igran 80W may be applied in tank mix combination with Atraton[®] formulations 90 and 80W, Princep[®] formulations 4L, 80W, and Caliber[®] 90. Refer to the Atraton and Princep labels for use instructions for these products.

Note: Agitate Igran and Igran tank mixtures during the tank filling and spraying process. Empty the spray tank during the spraying operation.

Storage and Disposal

Store in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

Pesticide: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For minor spills, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean-up procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call (919) 292-7100 day or night.



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Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

Causes eye irritation. Do not get in eyes. Harmful if swallowed. Avoid contact with eyes, contact with skin, inhalation of dust, contamination of food and feed, and application to animals or humans. When mixing or loading the product, wear gloves and long-sleeved coveralls. Flagmen and loaders should avoid inhalation of spray mist and contact with skin, and should wash thoroughly before eating and at the end of each day's operation.

First Aid: In case of contact with eyes, flush with plenty of water and get medical attention if irritation persists. In case of contact with skin, wash with soap and water. If accidentally ingested, induce vomiting. In case of inhalation, move from contaminated area.

Note to Physician: There is no specific antidote. Induce emesis or lavage stomach. Give a saline laxative and supportive therapy.

Environmental Hazards

Do not contaminate domestic or irrigation water supplies, or lakes, streams, or ponds. Do not apply directly to water or wetlands.

Atraton® trademark of CIBA-GEIGY

AAtrax® trademark of CIBA-GEIGY for atrazine

Caliber® trademark of CIBA-GEIGY

Igran® trademark of CIBA-GEIGY for terbutryn U.S. Patent No. 3,634,062

Lexone® trademark of E. I. duPont de Nemours & Co., Inc. for metribuzin

Maxx® trademark of CIBA-GEIGY

Milogard® trademark of CIBA-GEIGY for propazine

Nine-O® trademark of CIBA-GEIGY

Princep® trademark of CIBA-GEIGY for simazine

Sencor® trademark of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen, for metribuzin

X-77® trademark of KALO Agricultural Chemicals, Inc.

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