Cornbelt 🗷 Atrazine 90DF

Herbicide for season-long weed centrol in corn and sorghum. For weed control in certain other crops; in noncrop areas; and industrial sites.

ACTIVE INGREDIENTS:

Atrazine: 2-chlore-4-ethylamine-6*
isopropylamine-s-triazine
Related compounds
INERT INGREDIENTS

Total

A5.5%
10.0%
100.0%

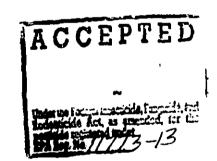
Cornbelt' Atrazine 90DF is a water dispersible granule.

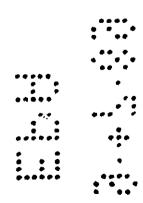
Keep Out of Reach of Children CAUTION

See additional precautionary statements at end of abel booklet.

See directions for use inside booklet.

Cornbelt is a registered trademark of the VAN DIEST SUPPLY CO.





LECTIONS 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 transer of disk U.S. Incation all of which are beyond the control of Van Diest Suphis Governor Seller. All such risks shall be assumed by the Buyer.

Van Grest Supply Qi, warrants that the product conduction in the cheminal description in the label and is reasonably to for the purposes referred to an the Directions for Use subject to the inherent risks referred to abjue. Vari Diest Supply Colomakes no uther expression implied warrant, just Etness or Microvinitability or any other express or implied warranty. In no case shall van Diest Supply Colombie Seller be hable to inconsequential \$product var Diest Supply Colombie Seller be hable to inconsequential \$product var Diest Supply Colombie Seller be hable to inconsequential \$product var Diest Supply Colombie Seller be hable to inconsequential \$product var Diest Supply Colombie Seller be hable to inconsequential \$product var diest Supply Colombie Seller be hable to go on the Seller before and warranty which has be varied only to agreement in writing signed to a dust authorized representative. If van Diest Supply Colombie seller and us authorized representative.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PREC.
TIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL
CROP INJURY OR ILI EGAL RESIDUES

CHEMIGATION Refer to supplemental latering entitled (Center Pivot Sprinkler Application) for use directors for chemigation. Do not apply this product through any imagation system unless the supplemental labeling on chemigation is followed.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons less ept the selenowingly in voived in the application. The area being treated must be variated by unprotected persons.

Do not enter treated areas without protective ciothing until strays have diled.

Because certain States may require more restrictive reentrichtervals for various crops treated with this product consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given which inform workers of areas or fire ds, that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given a language cust marily understood by workers. Oral warnings more given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following solution. "CAUTION Area treated with Contheit." Atrazine 90 on (date of application). Do not enter without appropriate protectioning until sprays have dried. In case of accidental exposure flush eyes or skin with plenty of water. Call a physician if irritation pervists. Remove and wash contaminated clothing before reuse.

GENERAL INFORMATION

This herbicide controls many annual broadleaf and grass weeds in norm sorghum sugarcane pineapple and certain other crops cecified on this label. It is also effective in noncrop areas and in sustrial sites for dwiffer of most annual and many pernanial croadleaf and grast weeds. This product may be applied before or after weeds emerge.

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 as a disce effectively controlled by this and related herbicides. Whefer this is known or suspected and weeds controlled by, this product are projected to be present along with resistant biotypes, we recomme dithe use of this product in combinations or integribilities with off different deficities which are not friazines. If only resistant finity es are expected to be present use a registered non-triazine highly design. Consult with your state Agricultural Extension Service for specific recommendations.

Since this product acts mainly through roll absorption its effectiveness depends on moisture to move it into the control of weeds develop, a shallow control or rotary hobility will generally result in better weed control

This product is noncorrosive to equipment and metal surfaces, nonfiammable, and has low electrical conductivity.

Avoid using near adjacent desirable plants or in greenhouses or injury may occur

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as clop injury may result.

Where the use directions give a range of rates, use the lower rate on coarse-textured soil and soil low in organic matter, use the higher rate on fine-textured soil and soil high in organic matter.

NOTE: VAN DIEST SUPPLY CO does not recommend applications in combination with other herbicides or oils, except as specifically described on the label or in literature published by Van Diest Supply Co

APPLICATION PROCEDURES

Ground application: Use conventional ground sprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly spaced and are the same size Calibrate sprayer before use and recalibrate at the start of each season and when changing carriers. Unless otherwise specified, use a minimum of 10 gat of spray mixture/A for all preplant incorporated, preplant surface, preemergence, and postemergence applications (with or without oil or surfactant) with ground equipment

Use a pump with capacity to (1) maintain 35-40 psi at nozzles. (2) provide sufficient agitation in tank to keep mixture in suspension, and (3) to provide a minimum of 20% bypass at all times. Use centrifugal pumps which provide propeller shear act unifor dispelling and mixing this product. The pump should provide a minimum of 10 gai minute/100 gai tank size circulated through a correctly position ed sparger tube cirilets.

mixing this product. The pump should provide a minimum of fugal minimum/100 gal, tank size circulated in flughe correctly position ed sparger tube or jets.

Use screens to protect the flungs and to prefer nozzles from clogging. Screens placed on the suction side of the pump should be 16 mesh or coarser. Downwalues a screenicable recirculation line. Use 50 mesh or coarser screens between the pump and boom, and where required, at the nozzles, Check nozzle manufacturer's recommendations.

For band applications, calculate amount to be applied per acre as tollows.

Barid width in inches Row width in inches Broadriast rate per acri

Amount needed

per acré
of field

of field

Aerial application: Use aeria at plication only where broadcast aptions are specified. Apply in a minimum of 1 gat of water for 1 lb of Combett Atrazine 90DF applied per acre. For postemergence treatments on com and sorghum apply recommend ed rate in a minimum of 2 gat of water/A. Avoid applications under inditions where uniform coverage cannot be obtained or where existive spray drift may occur.

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin, and should wash thoroughly before eating a id at the end of each day's operation.

Application in water or fiquid fertilizer. Nitrogen solution or complete liquid fertilizer may replace all or part of the water as a carrier for preemergence, preplant incorpora ad, or preplant surface ground application on corn and sorghum. Check the compatibility of this product with liquid fertilizer and/or nitrogen solution as shown tielow before use. Do not apply in nitrogen solution or complete liquid fertilizer after corn or sorghum emerges, except as noted under Lay by treatment for corn, or crop injury may occur.

Compatibility Test: Since riquid fertilizers can vary, even within the same analysis, always check compatibility with herbicide(s) each time before use. Be especially careful when using complete suspension or fluid fertilizers as serious compatibility protilems are more likely to occur. Commercial application equipment may improve compatibility in some instances. The following test assumes a spray-volume of 25 gal. per acre. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure.

dd 1 pint of fertilizer to each of 2 one-quart jars with hight lids o one of the jars add 14 tsp. or 1.2 milliliters of a compatibility agent approved for this use, such as Combelt' Compatibility Agent (14 tsp. is equivalent to 2 pt. per 100 gal. spray). Shake or stir gently to mix.

To both jars add the appropriate amount of herbicide(s). It more than one herbicide is used, add them separately with dry her bicides fir it, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix. The appropriation amount of herbicides for this test follows.

Dry herbicides: For each pound to be applied per acre, add 1.5 level teaspions to each jar

Liquid herbicides: For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar

After adding all ingredients put lide on and tighten and invert each jar ten times to mix. Let the mixtures stand 15 minutes and then look for separation large flakes, precipitates, gets heavy cilly film on the jar or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixtures are incompatible, test the following methods of imposing compatibility (%) surry, the dry herbicides) in water before addition, of (B) add 12 of the compatibility agent to the lartifizer and the other 12 to the emulsifiable concentrate onlowable herbicide before addition to the mixture.

Application in water place ergulatinable oil or bit concentrate: Adding emulsifiable oil (petroleum-desired, petroleum-derived oil concentrate, or single or mixed crop-derived oil concentrate) to postemergence water-based sprays in confi and sorghum may improve weed control. However, under certain conditions, the use of either type of oil may seriously injure the crop. To minimize this possibility, observe the following directions.

Use one of the following properly emulsified:

- A suitable oil concentrate containing at least 1% but not more than 20% suitable emulsifier or surfactant blend
- 2 Petroleum-derived oil containing at least 1% suitable emulsifier

NOTE: In the event of a compatibility problem when mixing oil with Afrazine 90DF and water, a compatibility agent such as Corn belt* Compatibility Agent should be used. Any of the above oils contaminated with water or other materials can cause compatibility problems and/or crop Injury.



contaminated with any other materials, or crop injury or sprayer cloging may result. (2) Fill tank 14 full with clean water, nitrogen solution, or complete liquid tertifizer. (3) Start agritation. (4) Be certain that the agitation system is working properly and creates a rippling or rolling action on the liquid surface. (5) Pour product directly from bag into tank. (6) Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action. (7) Add emulsifiable oil. oil concentrate, or tank mix herbicide(s) after this product is thoroughly suspended. (8) Finish filling tank. (9) Empty tank as completely as possible helper refilling to prevent building of oil or emulsifiable con possible before refilling to prevent buildup of oil or emulsifiable con centrate residue. Maintain agitation to avoid separation of materials (10) If an oil or emulsifiable concentrate film starts to build up in tank, drain it and clean with strong detergent solution or solvent (11). Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent

Center pivot sprinkler application «
Preemergence or postemergence Apply Combett Atrazine 90DF alone or in tank mix ares with other herbindes on this label which are registered for concer pivot application with irrigation water Application are segmented to concer pivot application with irrigation water Application and application are segmented. ply either after planting before crop and weeds emerge, or after crop emergence, but before was by (20.30 inches) and before weeds exceed 1.5 inches inches. H. Apply at rates recommended on this label Prepare mixture with a minimum of 1 part Materito 1 part product Injecting a larger volume of a more dilute sturry per hour will assure more accurate calibration of metering equipment. Maintain suffirightion water during higher or meter groupping tradition to keep terbicide in sust ension. Meter sturry into it rightion water during higher period. Apply in 1 finch of water. Use the lower water volume on coarser textured soils, the higher volume on fine; textured soils. More than 1 inch of water may reduce weed control by moving netticide below the effective zone in the soil lingert drifte surry into system through a positive displacement by applications.

Precautions: (1) Apply this product only through center pivot resolutions. (1) Apply this product through any other lype of ir rigation systems. Do not apply this product through any other lype of ir rigation system. (2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distrition of treated water. (3) If you have questions about calibration, should contact. State. Extension. Service specialists, equipment. manufacturers or other experts (4) Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place (5) A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. (6) The system must contain a functional check valve vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow (7) The pesticide injection pipeline must contain a functional automatic duick closing check valve to prevent the flow of fluid back toward the injection pump (8) The pesticide injection pipeline must also contain a functional informally closed, solehold operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down (9) The system, must contain functional interlocking controls to automatically shut off the pesticiue injection pump when the water pump motor stops (10) The irrigation fine or water pump must include a functional pressure switch which will stop the water pump motor when the pressure decreases to the point where pesticide distribu adversely affected (11) Systems must use a metering pump so a positive displacement injection pump ie g. diaphragm pump) ef fectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fectively designed and constructed and capable of being fitted with a system interlection pump in the fectively designed and constructed and capable of being fitted with a system interlection pump in the fectively designed and constructed and capable of being fitted with a system interlection pump in the fectively designed and constructed and capable of being fitted with a system interlection pump in the fectively designed and constructed and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fectively designed and capable of being fitted with a system interlection pump in the fective pump in the main line and agitate pesticide supply tank to insure adequate mixing (14) Application when drift may occur from windy conditions when system joints and connections are leaking, or when nozzles are not providing uniform distribution patterns may cause crop in jury (15) Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively crop injury may result.

CORNBELT: ATRAZINE 94DF APPLIED ALONE — CORN OR GRAIN SORGHUM

Preplant Surface Applied Preplant Incorporated Preemergence (or Postemergence at 221b /A with Oil)

Broadleaf and Grass Weeds Contra "ede

barnyardgrass yellow foxtable • mustards cocklebur groundcherry (watergrass) green foxtail pigweed imsonwerd kochia large (hairy) purstane craborass wild oats →ambsquarters witchgrass (Panicum r annual morningslosy capillare)

Postemergence with Erhul§ifiable Oil or Oil Concentrate in Water (at 1.3 (b/A)

Broadleaf Weeds Controlled

annual morningglory cocklebu #msonweed

lambsquarters mustards pigweed

ragweed smartweed wild buckwheat

CORN

Preplant Surface-Applied (Broadleef and grass control): Use on medium- and fine-textured soils with minimum-tillage or no-tillage systems only in CO, IL, IN, IA, KS, KY, MN, MO, MT, NE, ND, 8D, VII,

WY. Apply % the recommend من الداء of Alicine 900F shown in Table 1 for the soil texture as a عني it treatment 30-45 days prior to planting and remainder at planting. Applications made less than 30 days prior to planting may be as either a split or single treatment. On coarse-textured soils, do not apply more than two weeks prior to planting. planting

If weeds are present at the time of treatment, apply in tank mix combination with a contact herbicide (for example, paraquat, or Roundup). Observe directions for use, precautions, and restrictions on the label of the contact herbicide

NOTE: To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting or weed control will be diminished

Preplant Incorporated (Broadleat and grass control). Broadcast in spring after plowing at cate up Table 1 shoply to the suil and incorporate before, during, or after sinal seedbed preparation. Avoid deap incorporation. Fir these restilts apply within two weeks prior in planting

Preemergence (Broadles Land grass control. Apply during or shortly after planting before weet emergence at rate in Table 1.

Postemergence (Broadles) and grass controlle Apply before weeds exceed 1.5 inches in height, as rate in Table 1.

... TABLE 1 Broadleaf and Grass Weed Control on Corn*

Son texture • ••	Broadcast rate:A
<u>C</u> OARSE	
J. loamy sand-sandy loam	2 2 !b
MEDIUM Loam, silt loam silt clay loam sandy clay loam lifty clay loam sandy clay for silty clay with low organic matter	2616
FINE Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with medium to high organic matter, and clay tincluding, the dark prairie soils of the Corn Belt)	3316
Peat muck, and high organic clay (apply post imergence only)	3 3 lb

Bioadleaf control leastern CO, western KS, western NE, NM, OK Pan Handle, west TX, and eastern WY). On sand, loamy sand, sandy loam, mild to strongly alkaline soil, and all recently leveled soil, apply no more than 1.3 lb. A leither preplant surface, preplant incorporated or preemergence. On other soils in these areas, apply rate in Table 1 for broadleaf and grass control

Lay-by treatment (Broadleaf and grass control): Broadcast 1.1.2.2 Ib /A before weeds are 1.5 inches fall and before corn is 20.30 inches fall. When using nitrogen solutions, direct the spray to lower 3.4. inches of cornstalks to avoid corn foliage injury

Postemergence with emulsifiable oil or oil concentrate in water: Add the following volume of one of the type oils indicated for all or ground application unless the oil label specifies otherwise

Type Oil	Ground Application	Aerial Application
)il concentrate (Crop or Petroleum-derived)	1 qt/A	32 1 qt /A
Petroleum-derived oil	1 gal /A	2 qt /A

NOTE: Crop-derived or petroleum derived oil concentrates should contain at least 1% but not more than 20% suitable emulsifier or surfactant blend. Petroleum derived oils should contain at least 1%. suitable emulsifier

Broadleaf and grass control. For postemergence control of those weeds listed under Preplant Incorporated and Preemergence broad cast 2.2 lb /A plus emulsifiable oil of oil concentrate after weed emergence, but before weeds reach 155 inaffes in height

Broadleaf control. For postemergence courol of those weeds listed under Postemergence with emulsifiable oil or oil concentrate in water, broadcast 1.3 & Aprils emulsifiable oil or oil concentrate before pigweed and lambsqdarters react? 6 inches in height and before all other weeds reach a inches in height. A cultivation may be necessary if all weeds are not controlled or laweeds regrow.

Precautions for applications with amulsifiable oil or oil concentrate In water (1) Inbred lines or ally breeding stock may be severely in jured by applications with emulsifiable oil of oil concentrate (2) Adding other insecticides, hereicides, liquid fertilizers, or other materials is not recommended because they may cause compatibility problems or crop injury 33 Store and baptle emulsifiable oil and oil concentrate carefully. Oil contaminated with even a small amount of water may not emulsify properly when added to the tank. To avoid crop injury, (4) Do not apply when crop is under stress from prolonged told, wet weather poor fertility, or other factors, or when crop is well and succulent from recent rainfall (5) Do not make more than ine application per season except as recommended for control of yellow nutsedge, quackgrass, and Canada thistle.

Problem weeds

Yellow nutsedge and Canada thistle: This product will control yellow nutsedge (Cyperus esculentus) and Cenada thistle (Cirsium arvense) when applied according to directions. For best results, apply each year until yellow nutsedge or Cenade thistle is eliminated or reaches a level of infestation where neither weed is an economic problem. If yellow nutsedge or Canada thistle regrow following last application, cultivate once.

S Four alternative wathods of use for control of yellow nutsedge and Canada thistle are listed below in order of preference. If other weed species, such as annual grasses, are also expected, use alternative 2

- Broadcast 2.2 lb/A plus 1 gal. of emulaitiable oil or 1 qt. of oil concentrate. Apply after crop and yellow nutsadge or Canada thistle emerge, but before yellow nutsadge reaches a height of 3 inches or Canada thistle reaches a height of 6 inches. Repeat ap plication before 'ay by (20/30 inches), 10/20 days after the first ap atication
- Broadcast 2.2 in/A preplant incorporated for control of yellow nulsedge, or broad, ast 2.2 lb /A during or chortly after planting but prior to crop or weed emergence for control of Canada this tle Follow with an application of 22 lb A plus 1 gal of emulsifiable of of a di of oil concentrate after corn and weeds emerge but beforevellow nutsada a Canada thistic reaches a height of 6 inches.
- emerge but beroccinion height of 6 inches
 Broadcast 44 bi A ₂ (as 3) galant enius/frable on or 1 qt of concentrate after trop-en erges but prior to fay to 120 0 inches. Apply after yellow nutsedge and Dahada thistic entergy but before yellow nutsedge is 3 inches tall or Canada tristle is 6 inches tall.
- Broadcast 4.4 lis/A before during as shortly after planting but before crop or weed omergence (yellow nutsedge control only).

NOTE: Do not use empisibilities of the concentrate where the inclusive or under stress especially when using 4.4 lb. A cities product as crop injury mayorical. See Precautions for applications with emulsifiable oil or oii concentrate in water. In radditional directions

Quackgrass control ordiging going into corn production Split application: Broadcast 2.2 lb /A in fall or spring. Plow later Apply a second application at 2.2 lb:A in spring before or after planting, but before weeds are 1.5 inches high. This sp plication will control quackgrass and most annual broadleaf and grass weeds

Single application. Broadcast 3344 lb A in fall or spring. Fire

TANK MIXTURES FOR CORN

This product may be tank mixed with these herbicides for control of certain broadleaf and grass weeds in corn

Lasso or Lass / EC is action to Lasso or Lasso EC + Roundup Lasso or Lasso EC + paraguat Dual* (metolachlori Dual + paraquat Dual + Roundup

(glyphosate) Dual + Princep Paraguat Princet

Dual + Princep + paraquat Dual + Princep + Roundup Bexton' or Ramrod' Princep + paraquat Princep + Roundup

Roundup (propachior) Sutan +

Use tank mix directions appearing on the labels of the above her bicides when tank mixing with this product. Observe all precautions and limitations on labeling of products used in a particular tank mix

NOTE: When the labels of the above herbicides refer to atrazine 80W, use equivalent ate of Combe¹⁻¹. At azine 90DF. One the Combe¹⁻¹ at a 200 Medium of the Combe¹⁻¹ at a equals 0.9 lb. Dry Flowable

Princep 80W, Princep 4L(4LC), or Princep Caliber' 9.

In addition to the weeds listed under Cornbett* Atrazine 90DF plied Alone - Corn and Grain Sorghum Preplant Surface App Preplant Incorporated or Preemergence this combination also combined to the surface App Preplant Incorporated or Preemergence this combination also combined to the surface App Preplant Incorporated or Preemergence this combination also combined to the weeds listed under Cornbett* Atrazine 90DF trois crabgrass, fall panicum, and carpetweed

Broadcast tank mix before planting, at planting, or after planting, but before crop and weeds emerge, at rates in Table 2. Use the 1.1 ratio for control of most weeds. Use the 1.2 ratio for expected heavy in festations of crabgrass and fall panicum. Cultivate shallowly if

Preplant Surface-Applied: Use on medium, and fine textured soils with minimum tillage or no tillage systems only in CO IL IN IA, KS KY, MN, MO, MT, NE MPSD, WI, and WY. Apply 2 if the recommend ed rate of Afrazine 300°F and Princep shown in Table 2 for the soil textures at a split treatment 30.45 days prior to planting and the re-

nder at planting Applications made less than 30 days prior to pointing may be as either a split or single treatment. On coarse textured soils, do not apply more than the week's prior to planting may be as either a split or single treatment. On coarse textured soils, do not apply more than the week's prior to planting Refer to the Cornbeit' Atrazine 2006 Alone. Preplant Surface Applied section of the corn label for adigitional details. If weeds are present at time of treatment apply in a tank mix combination with a "conflict" herbicide for example, paraguat or Roundup). Observe disections for the great autions, and restrictions on the label of the applications.

on the label of the emeact herbicids a

NOTE: To the extent possible, do not remove treated suit of the row or move untreated soil to the sufface during planting or weed control will be dimigigited

Preplant Incorporated: Apoly to the soil and incorporate in the spring before, during or after final seedbed preparation. Avoid deep incorporation. For best results, apply within two weeks prior to

Preemergence: Apply during or shortly after planting, but before crop and weeds emerge

Refer to Corn sections of this label and to Princep 80W, Princep Caliber 90, or Princep 4L(4LC) labels for further directions, limital tions, and precautions



TABLE 2

	Broadcast rate/A			
	1:1 Ratio*		1:2 Ratio**	
Soil Texture	This Product	Princep 80W	This Product	Princep 80W
Sand loamy saild sandy loam	1116	1.25.0	0.73 lb	1 67 Ib
Loam sitt loam sitt clay loam sandy clay loam sitty clay loam sandy clay or sitty clay with low organic matter i	द से ब्ह्र बर्र	îs.	an 88 0 ⁸	20 lb
Loam Set Gam Sitt Tay Ican Sandy Clay cam Sity Hay Joan sandy Clay or Sity Has with medium to high organic matter, and Clay				
including dark praitie∙∎ soits of the Corn Belti	164:	18 t_	1 07 ib	2416

* For c_ctrol of most **《表**表》

11 For nontropiot expended heavy infernations of matigrass and fail pane in

When using Princep Caliber 90 or Pances #Ei41 Cr. use equivalent rates. One Ib. of Princep 80W equals 0% b 47 Princep Caliber 90 16 of Princes 4Li4LC:

cep 80W, Princep 4L(4LC), or Princep Catiber 90 plus Roundup Use as tank mixture for preemergence and posteinergence control of ertain broadleaf and grass weeds where corn will be planted direct into a cover crop established sod or in previous crop residues lefer to floundup tabel for all directions, weeds controlled, precau-

Princep 80W, Princep 4L(4LC), or Princep Caliber 90 plus Paraquat Use as tank mixture with Princep and paraquat to kill existing vegeta-tion and for recidual weed control where corn will be planted directly into a cover crop, established sod, or in previous crop residues. Add this product and Princep to water in stray tank, agitating until thoroughly mixed. Then add paraquat and a nonionic surfactant such as Cornbelt' Spray Activator. Continue agitation during application. Broadcast 11-22 lb of this product plus 125.25 lb. Princep 80W [or 2.4 pt. Princep 4L(4LC) or 1.1-22 lb. Princep Caliber 2006]. Princep 80W [or 24 pt Princep 4L(4LC)] or 1 1/2 to Princep Camber 90] plus 1.2 pt paraquat in 20-60 gal of water per sprayed acre. Apply before during or after planting, but before corn emerges. Add 0.5 pt of a non-onic surfactant such as Cornbelt'. Spray Activator, per 100 gal of spray mixture. Use the 2 pt rate of paraquat if existing vegetation is 4.6 inches fall. This mixture will not control weeds taller than 6 inches. Refer to further limitations and precautions on labels for this product. Princep, and paraquat

Precautions for all applications to corn. 41. To avoid crop injury and illegal residues, do not apply more than 4.4 ib. A of this product per year (2) Following harvest, plow (moldboard or disk plow) and poroughly till soil in fall or spring to minimize possible injury to ig seeded rotational crops, regardless of rate used.

Note for all applications to corn: Do not graze or feed forage from treated areas for 21 days following application, or illegal residues.

Rotational crops: (1) Do not rotate 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 crop injury may occur. (3) If the broadcast rate, or equivalent band application rate, exceeds 3.3 lb/A of Cornbelt* Atrazine 90DF or 3.3 lb/A of Cornbelt* Atrazine 90DF plus Princep Caliber 90 (or equivalent of another Princep formulation), a crop of untreated corn or sorghum should precede the next rotational crop (4) In the High Plains and Intermountain areas of the tional crop. (4) In the High Plains and Intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use only when corn or sorghum and follow corn or sorghum or when a crop of untreated corn or sorghum as to precede other rotational crops. (5) In eastern parts of the Dakotas, KS, western MN, and NE dc not rotate to soybeans if the rate applied to corn or sorghum was more than 2.2 ib /A or equivalent bags application rate, or soy bean injury may occur. The property of the parts of

SORGHUM AND SOPOHUMPSUDAN HYBRIDS GRAIN AND FORAGE TYPES

Preplant Surface Applied (Beoadlesf and grass control) Use on medium and fine-tertified \$50is with monthly tillage or no tillage systems only in CO. IL. IN, IA. KS, KY MN 440, MT, NE, ND, SD WI, WY Apply to the recommended rate of Afrazine 90DF shown in Table 3 for the soil texture as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days prior to planting may be as either a split or single treatment. Under dry conditions, irrigation after application is recommended to move Afrazine 90DF into the soil

If weeds are present at time of treatment apply in a tank mix combination with a contact herbicide (for example paraguat or Roundup) Observe directions for use precautions and restrictions on the label of the contact herbicide

NOTE: To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.

Preplant Incorplated (Broadleaf and grass control): Broadcast in spring after plowing at rule shown in Table 3. Apply before, during, or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation. For best results, apply within two weeks prior to planting.

Preemergence (Broadleaf and grass control): Apply during or shortly after planting, but prior to weed or crop emergence at rate shown in Table 3.

TABLE 3
Preplant Surface, Preplant Incorporated, and Preemergence
Broadlesf and Grass Weed Control in Sorghum*

Sui texture	Organic matter	Broadcast . rate/A
COARSE Sand loamy sand, sandy loam	dn Rajel	DO NOT USE (except for preemer gence use on bedded
MEDIUM AND FINE .	less than 1%c	sorghum in AZ and CA:
Loam, sift foam sift Cavidam sandy clay loam sandy slay.	14.5%	172216
	more than	2226 t

* Do not apply preprint surface on preplant incorporated in AL AR FL GA LA MS NC. NM OK 90 PN or TX Do not apply preeniergence in NM OK or TX except in northeast OK and the TX Gulf Coast

In case of planting Union surghum or corn may be replanted. Do not make a second breadcast application, or injury may occur. If original ly applied in a bain 1 and sorghum or corn is replanted in untreated row middles, this product may be applied in a band to the planting.

Preemergence broadleaf weed control in furrow irrigated bedded sorghum (AZ and CA only): For preemergence control of moreodieaf weeds, broadcast 0.9.1.3 to /A after bed preparation, during after planting, but before sorghum and weeds emerge and before the first furrow irrigation. Follow with several regular irrigations making sure to thoroughly wet all soit.

Precautions for preemergence application to furrow irrigated bedded sorghum in AZ and CA: To avoid possible sorghum injury do not use on sand or loamy sand soil or on sorghum planted in furrows. Applications to sorghum growing on alkali soils or where cuts fills or erosion have exposed calcareous or alkali subsoils may cause cropinjury. In case of crop failure, do not replant sorghum for 8 months following application. Corn may be planted immediately.

Postemergence (Broadleaf and grass control). Apply at rate shown in Table 4 before weeds exceed 1.5 inches in height Apply ut to close in

TABLE 4
Postemergence Broadleaf and Grass Weed Control in Sorghum

Soil texture	Minimum sorghum height at treatment	Broadcast raterA
Sand or loamy sand	DO NOT USE	
Sandy loam	See directions for postemergence broadleaf weed control	
Silt loam to sandy clay loam	Completely emerged	2226 lb
Oiton and Pullman clay soil	6 inches	22-261
Silty clay loam and finer textured soil	Completely emerged	3316

Postemergence broadleaf weed control with emulsifiable oil or oil concentrate in water. Broadcast 1.3 lb /A for control of many broadleaf weeds. Apply before pigweed and lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. In CO western KS. NM. OK, TX, and desert regions of AZ and CA, apply when sorghum \$5.00 inches in height, but before it reaches boot stage. In all other ageas, apply after sorghum reaches the 3 leaf stage. Add 1 gat of emulsifiable oil/A for ground application and 0.5 gat /A for aerial application, or add 1 qt of oil concentrate for ground application. A cultivation may be necessary if all weeds are not controlled or if weeds regrow.

For the list of weeds controlled See Combett, Atrazine 90DF Applied Alone. Com or Grain Serglam. Postemergence with Emulsifiable Oil or Oil Concentrate in Water.

Precautions for applications with emulaifiable oil or oil concentrate in water: See Precautions for applications with emulsifiable oil or oil concentrate in water: in Corn Section.

Postemergence broadleaf weed control with surfactant (CO, western KS, NM, OK, TX, and desert regions of AZ and CA only). Broadcast 1.3 lb./A plus 0.75 pt. of surfactant after sorghum reaches 6 inches in height, but before weeds exceed 1.5 inches in height Apply only on sandy loam and finer textured soil.

Precautions for all applications to sorghum (1) Heavy rain immediately following application tends to cause excessive concentrations of herbicide in seed furrow, resulting in possible crop injury. Do not apply to furrow planted sorghum until furrows are leveled (plowed in). Level deep planter marks or seed furrows before application (2) Application to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soil may result in crop injury (3) Following harvest, plow (moldboard or disk-plow) and thoroughly till soil in fall or spring to minimize possible injury to spring-seeded rotational crops regardless of rate used (4) Injury may occur if both his herbicide, preplant surface, preplant incorporated, or preemergence, and an at-planting systemic insecticide applied in-furrow are used.

NOTE: Do not graze or feed forage from the discreas for 21 days following application, or illegal residues may result.

Rotational crops: See "Rotational crops" at end of Corn section

TANK MI. TURES FOR GRAIN SORGHUM

Igran' 80W: Use as tank mixture for control of certain broadleaf and grass weeds in grain sorghum. Refer to Igran 80W label for all directions, weeds confrolled precautions, and limitations.

Dual 8E. Use as tank mixture with Dual 8E for control of those weeds listed on the Dual laber, as well as on this laber. Use this tank mixture only on sorghum seed treated with Concept. Refer to the Dual 8E tabel for all directions, precautings, and ignitiations.

WINTER WEED CONTROL IN TEXAS

For posteniergence (\$5.5.5) winter without only suit as henbit, seedling dock and ainitial viaste on fall bedded land in the Gulf Coast and Blacklands of Tailas. Apply \$6.1.1 th A postemergence to the weeds in November in December to fagd that will be planted to corn, grain sorgt in he foliage sorghum, the foliawing spring. For test results, add a sortal englithms for as Combelt. Spray Activator, in the rate of \$6.1.5 the spray yourse, an emuisifiable oil at the rate of \$1.0° of the spray is limited and figure entrate at the rate of \$1.0° of the spray is limited and figure entrate at the rate of \$1.0° of the spray is limited.

Normal wee Econtrol programs may be used in the tolk wing corregal sorghum or to age sorghum or by

"OTE Do not plant any crops except corn grain sorghum, or forage righum, the spring following this treatment, or illegal residues may usual.

ATRAZINE ALONE - CHEMICAL FALLOW

Wheat-Sorghum-Fallow: To control annual broadleaf and grass weeds following wheat harvest and in the following sorghum crep when grown under minimum tillage, broadcast 3.3 lb. A to wheat stubble immediately folic wing wheat harvest. If weeds are present at application remove them with a sweep plow or other suitable implement after application or use an approved contact herbicide before or after the application of Atrazirie 90DF. Plant sorghum into wheat stubble the folic wing of any auth minimum sort distorbance. Use a suiface planter or a planter leaving a shallow furriew. If weeds are present at planting remove them with a sweep pick or other suitable implement before planting.

For the list of weeds controlled see Combett Atrazine 90DF Apiplied Alune - Chris or Grain Sorghum - Preplant Surface Applied. Preplant Incorporated or Preemergence.

Precautions. (1) Use only on suit loam or finer textured soil, or crop in jury may result. (2) Wheat sorghum fallow cropping sequence must be followed: (3) Do not apply following sorghum harvest.

NOTE: To avoid illegal residues, do not graze or feed forage from treated area to livestock. To avoid illegal residues and crop injury, do not plant any crop other than those on this label within 18 months afflowing treatment.

eat-Corn-Fallow (KS. NE). This product controls cheatgrass idowny brome, chess), kochia mustards, pigweed. Russian thistle, wild lettuce, wild sunflower, and volunteer wheat during period after wheat harvest. Weed control may extend into following corn crop grown under minimum tillage.

Follow directions for use notes and precautions in the 'Wheat-Sorghum Fallow' section above substituting com for references to sorghum.

Wheat-Fallow-Wheat (CO, KS, MT, NE, ND, SD, and WY) For preemergence control of cheatgrass (downy brome chess) common lambsquarters, field perinycress, kochia, mustard. Russian thistle, wild lettuce, and suppression of volunteer wheat during fallow period of a wheat fallow wheat rotation broadcast 0.5.1.1 th A on all soils except those listed under. Plecauticins. For control of pigweed and wild sunflower use the higher rate. Apply to stubble ground. Treat only only during same fallow priced.

TANK MIXTURES FOR OHEMICAL FALLOW

Wheat Sorghum-Fallow (ir Wheat Corn-Fallow (KS, NE)

Igran 80W. Use as tank impoure for control in nertain broadleaf and grass weeds in wheat solobum fallow or wheat corn fallow rotations. Refer to Igran BFW label for directions, weeds controlled precautions, and him/shubis 6.

Paraquet: If weeds are present at application, a tank mix with paraquat may be used. Brhadcast 3 3 to of Cornbeit. Atrazine 90DF plus 1.2 pt. of paraquat in \$7.60 gai. of water A by ground equipment. Add 0.5-1 pt. of a nonionic surfactant suchfast Cornbeit. Spray Activator, per 100 gal. of spray mixture. Add Atrazine to spray tank first and thoroughly mix with water. Then add paraquat, followed by surfactant. Use the 2 pt. rate of paraquat, if weeds are 4.6 inches fall. This mixture will not control weeds taller than 6 inches. Apply to stubble ground. Treat only once during same fallow period. Refer to paraquat label for further directions, precautions, and limitations.

Wheel-Fellow-Wheel (CO, RS, MT, NE, ND, SD, And WY)

figran 80W: Use as tank mixture for control of certain broadleaf and grass weeds in wheat fallow wheat rotations. Refer to ligran 80W label for directions, weeds controlled, precautions, and limitations.

Paraquet: If weeds are present at application, a tank mix with paraquet may be used. Broadcast 0.5-1.1 Ib./A of Cornbelt® Atrazine 800F plus 1-2 pt. of paraquet in 20-80 cal, of water/A by around easiloment. Add 0.5-1 pt of contonic surfactant, such as Cornbeit? Spray Activator, pe. 100 gd. of spray mixture. Add Atrazine to spray tank first arid thoroughly mix with water. Then add paraquat, followed by surfactant. Use the 2 pt. rate of paraquat if weeds are 4-6 inches tall. This mixture will not control weeds talter than 6 inches. Apply to stubble ground. Treat only once during same fallow period. Refer to paraquat label for further directions, precautions, and limitations.

If weeds are present at application and this product is used alone, use either an approved contact herbicide before or after treatment, or tillage after treatment.

Use tillage to control weeds which escape during fallow period. Till before planting. For this product applied alone or in tank mixture with paraqual tillar at least 2 inches deep and 12 months or move after application.

Precautions: To avoid crop thinky, (1) Do not use on sand soil (2) Do not treat eroded hillsides, canche and not outcroppings, or exposed calcareous subsuil (3) Do not treat soils of the Rosebud and Canyon Series in western NE and adioming counties in CO and WY (4) Do not treat soils with calcareous sufface layers (5) Avoid Spray overlap

NOTE: Do not graze treated-areas withindomonths after application or illegal residues may reduit

Aerial application. In order to assure that soray will be controllable within the target area when used according probable directions, make applications at a maximum height of 10 ft justing low drift nutries at a maximum pressure of 40 pst and restrict as prication to periods when wind speed does not exceed 10 mp.h. Tr. assure that spray will not adversely affect adjacent sensitive nontarget plants apply Corn beit. Atrazine 90DF ainne by ancraft at a minimum upwind distance of 400. It from sensitive plants or apply Cornbeit. Atrazine 90DF + Igran 80W at a minimum upwind distance of 500 ft. from sensitive plants. When applying Cornbeit. Atrazine 90DF + Igran 80W at a minimum of 5 gat of water per acre.

PROSO MILLET

For preplant incorporated or preemergence control of foxtails kochia, common lambsquarters redroot pigweed. Russian thistle slimleaf lambsquarters and spotted spurge apply 0.6-1.1 lb:A on soils with less than 2° organic matter or apply 1.1-2.2 lb:A on soils with 2° or higher organic matter.

Precaution: To avoid crop injury and dilegal residues, make only one application per year.

Rotational crops. See "Rotational crops" in Corn section

RANGELAND

To control certain weeds, including cheatgrass (downy brome, chess), common (annual) broomweed, little barley, medusahead, sagewort, and tumble mustard: Use lower rate where cheatgrass is major problem weed use higher rate for other weeds.

Poisonous plants: Tansymustard pigweeds lambsquarters turnble mustard cocklebur and liddieneck are controlled at 1.1 lb:A. Other mustards (Brassica spp.), groundcherry (annual), broomweed, and threeawn or poverty grass (Aristida spp.) are partially controlled at 1.1 lb:A and controlled at 2.2 lb:A. Sneezeweed and dogbane are partially controlled at 2.2 lb:A.

Aerial application: 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 above vegetation using flow 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 Combett Atrazine 90DF by aircraft at a minimum upwind distance of 400 ft from sensitive plants.

Establishment of perennial range grasses in West (CA, ID, NV, OR, UT, WA): Broadcast 0.9.1.1 lb:/A in fall after rains begin but before ground freezes. Perennial range grass may be seeded when rain begins the next fall following treatment. Plant in deep furrows such as those made by a deep furgew rangeland drill. Treated areas may be grazed 7 months aftenseeding. However, to provide sufficient time for establishment of destrable range grasses, treated areas should not be grazed until the fall following seeding.

Renovation of existing classes of perennial range grasses.

Central Great Plains (CO, KS, MT, NE, NB, SD, WY). Broadcast 0.6.1.1

Ib /A in fall before ground freezes.

Southwest (AR. KS, LA, MS, NM, OK, TX): Apply 1.1 lb.A Combelt' Atrazine 90DF in early spang before regrowth to established rangeland or pasture species such as sisiate (Old World) bluestems little and big bluestems buffalograss and Indiangrass

West (CA, ID, NV, OR, UT, WA). Do nobgraze asea to be treated for 6 months prior to application. Broadcast 9 6 08 lb /A in fall before ground freezes.

Bluegrass and intermediate wheatgrass may be injured by this product at recommended rates

NOTES: To avoid illegal residues, (1) Do not apply more than once per year (2) Apply only on neutral to acid soils (ω) Do not cut or feed range grass hay (4) Do not graze treated areas within 3 months following spring application or within 7 months following fall application (5) Do not dump or spill product or dispose of container within reach of livestock

Pure stends of Switchgrass and Big Bluestem (IA, IL, IN, KS, MN, MO, ND, NE, OH, SD, WI): For control of those weeds listed under Cornbett^e Atrazine 90DF Applied Alone Corn or Grain Sorghum Preplant Surface-Applied, Preplant Incorporated, or Preemergence



Establishment: Broadcast 2.2 lb/A after plantific: it before weeds and crop emerge. Prepare a good, firm seedbed. Plant ½ inch deep with a grassland drift (preferred method) or a conventional drift. If a conventional drift is used on prepared seedbeds, remove all tension from the disk openers. For best results, cultipack or roll after planting. Clip weeds that escape in July or August. Avoid clipping switchgrass or big bluestem seedlings.

Renovation of existing stands: Broadcast 2.2 ib /A in early spring before regrowth of the crop, and before weed emergence.

NOTES: To avoid allegal residues, (1) Do not cut for hay (2) Do not graze treated areas within 4 months following application at seeding or 3 months following application to established switchgrass or big bruestem. (3) Treat only only per year.

Rotational crops: See Rotational crops in Com section Do not plant small seeded required the wear following application or injury may occur.

ROADSIDES

To control certain annual webos in established perennial grasses along roadsider to CO My MY. NE ND SD and WY including cheatgrass (downy brome cless) common (annual) broomweed little barley in 2dusahead sagework and tumble mustard, broadcast 1.1 lb /A in a minimum of 10 gailons of water by ground equipment in the fall before ground freezes or after thawking in the spring but before the established grasses green up and before weeds emergic Examples of desirable established grasses include big bluestem bluegrama bromegrass buffalo grasses include big bluestem bluegrama bromegrass buffalo grasse costed wheatgrass in diangrass. Intitle bluestem sideoats grant switchgrass and with in wheatgrass Apply only once per year. Temporary discoloration other form of injury to the desirable perennial grasses may occur following application.

*ES: To avoid illegal residues. (1) Do not cut or feed roadside s hay. (2) Do not allow livestock to graze treated areas.

SUGARCANE

For control of many broadleaf and grass weeds, including ama ranths, crabgrass fireweed Flora's paintbrush, foxfaits, jungler ce and wiregrass broadcast 2.2.4.4 lb./A of Cornbelt* Atrazine 90DF at time of planting or rationing but before sugarcane emerges. Broadcast aerially in a minimum of 5 gal of spray per acre, or broadcast or band by ground equipment in a minimum of 20 gal, per acre unless indicated otherwise. One additional application may be made over the sugarcane as it emerges and two additional applications may be made interline after emergence, as directed sprays. Repeat treatments, where needed may be applied broadcast band or interline as suggested with the final application being prior to close in Do not exceed the rate of herbicide suggested for any one crop of sugarcane.

NOTE. Where high rates of Afrazine are used lapply in a minimum of 1 gall of water for each 1 lb of product applied per acre.

Aerial application: In order to assure that spray will be controllable within the target area when used according to label directions make from a maximum height of 10 ft fusing low drift nozzles at a num pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will in adversely affect adjacent sensitive nontarget plants apply Cornatrazine 90DF alone by aircraft at a minimum upwind distance 90 ft from sensitive plants.

Florida

For control of emerged pellitory weed. Apply 0.4.0.6 lb /A in at least 40 gal of water as a directed spray by ground equipment prior to close in Add. 4 gt. of surfactant for each 100 gal of spray Thoroughly cover weed to lage.

For control of alexandergrass, large crebgrass, pellitory (artillery) weed, and spiny amaranth, use one of the following muthods at planting or rationing:

- 1. Apply 4.4 lb A preemergence. Follow with tipe or two applications, as needed, postemergence to segarceme and weeds at 2.2 lb A. Treat before weeds exceed 1.5 inches in height.
- 2 Apply 1.3 times as needed at 2.2 lb /A posternergence to sugar cane and weeds. Treat before weeds exceed 5 inches in he lift.

Louisiana

For control of annual weedstiduring the summer allow period apply 2.2 lb A to weed free beds immediately after bed ormation. Follow normal weed control program after planting.

Precautions. To avoid crop intury \$1) Do not adoly more than \$1 ib A to any one crop of sugarcane (2) If making a \$2 \$1b A application during the summer failow period, downot exceed \$8 lb A during the remainder of the growing spason, \$\frac{1}{2}\$ illegal residues may result

Teres

Use Cornbeit* Atrazine 90DF for control of baffgardgrass, pigweed, purstane and sunflower, in plant or ration sugarcane.

Apply 4.4 lb/A of Combel* Atrazine 90DF preemergence. Follow with one or two applications as needed, at 3.3 lb/A postemergence to sugarcane and weeds.

For best results when weeds are emerged, add a nonionic surfactant at a concentration of 2 qt/100 gall to the spray and apply before weeds exceed 1.5 inches in height

Precautions: (1) Injury to sugarcane may occur when under moisture stress, when soil is of low adsorptive capacity, or when land is first cropped to sugarcane. (2) Do not apply after close in: (3) Do not apply more than 11 lb /A to any one crop of sugarcane, or crop injury may result

TURF GRASSES FOR SOD (FLORIDA ONLY)

St. Augustinegrass, Contipodograss, and Zeysia Grass

Broadcast 2.2-4.4 lb /A according to soil texture to control those weeds listed under Cornbelt* Afrazine 90DF Applied Alone · Corn or Grain Sorghum · Preplant Surface-Applied, Preplant Incorporated, or Preemergence

Muck or peal 4.4 lb	Old beds. Within 2 days after lifting sod.	
		New beds 3.4 days after sprigging or plugging
Sandy soil 2	/24ba	Old beds Within 2 days after lifting sod
	•	New beds 7 10 days after sprigging or elugging

If weeds regrow, apply ab additional \$2 lb\$A on much or peat or 1.1 lb.A on sandy soil

Precautions: To avoid coop injury (1) Do not apply within 30 days prior to nutting or lifting (2) Do not apply it combiantion with surfactants or other spray additives (3) Use only on turfgrass reasonably free of intestations of insects nematice and diseases (4) On newly sprigged turfgrass immorary slowing of growth may follow apparation.

MACADAMIA NUTS ****

For preemergence control of many broadleaf and grass weeds cluding crabgrass, foxtail, wiregrass, Flora's paintbrush, spanishneedles, and fireweed, broadcast 2.24 4 bit A before harvest and before weeds emerge. Repeat as necessary. Do not spray when nuts are on ground during harvest period. Do not apply by air

PINEAPPLE

For control of pursiane spanishneedles annual grasses annual bindweed, ageratum amaranth, rattlepod. Flora's paintbrush fireweed spurge indigo and papato apply up to 7.1 lb/A as a blanket spray immediately after planting or following harvest. Make additional blanket or interspace applications of up to 1.7 lb. A at 1.2 month intervals as needed prior to differentiation. Apply in 20.40 gal of water A to assure thorough coverage.

Precautions: (Do not apply more than 33.3 lb 'A per cycle, as crop in jury or illegal residues may result. (2) Repeated monthly applications to plant foliage may slow plant growth and delay fruiting.

NOTE: Do not apply within 45 days of fruit harvest, or forage harvest if forage is to be fed to livestock, or illegal residues may result.

GUAVA

Use only on established plantings which are at least 18 months old. Apply as a directed spray at 2.2.4.4 lb /A of Combell* Atrazine 9 in 20.50 gal. of spray mix preemergence or early postemergence weeds. When applying postemergence, the use of a surfactant and greater spray volume (80.100 gal. of spray mix per acre) may enhance weed control. This product controls many annual broadleaf and grass weeds, including fireweed, purslane scarlet pimpernel, spanish needles, and sowthistle.

NOTES: To avoid illegal residues, (1) Do not allow spray to contact foliage or fruit. (2) Do not apply more frequently than at 4 month intervals. (3) Do not apply more than 8.8 lb. of Cornbelt*. Atrazine 90DF per year.

CONIFERS

For control of annual provided and grass weeds prior to transplanting, after transplanting of in established conifers (including Douglas fir, grand fir, noble fir, white fir, Austrian pine, bishop pine, Jeffrey pine, knobcone pinet leblolly pine, lodgepole pine (shore pine), monterey pine, ponderosa pine, Scotch gine, stash pine, blue spruce, and Sitka spruce): Broagcast 2:44 ½ bin, a minimum of 5 gall of water per acre by air or 10 gall by ground before weeds are 1.5 inches tall. Apply to established trees between the firm while trees are dormant. For new transplants, apply during or soon after transplanting. For applications priorate transplanting allow sufficient precipitation to activate Atrazine before transplanting. In areas where spring and summing fainfall is intabliguate to activate Atrazine, apply during fail prior to spring transplanting.

For the list of weeds controlled, see Conbett Atrazine 90DF Applied Alone - Corn or Grave Sorghum - Brestant Surface Applied, Preplant Incorporated or Freemergence

Queckgrass control: Browdcast 4.4 lb in a minimum of 5 gat of water per acre by air or 10 gat by ground between fall and early spring while trees are dormant and before quackgrass is more than 1.5 inches tall.

Preceutions Temporary injury to trees may occur following the use of Atrazine on coarse-textured soil. To avoid crop injury, (1) Do not apply to seedbeds. (2) Apply only once per year.

NOTE. Do not graze treated areas, or illegal residues may result

Aerial application: 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. above vegetation, using low drift nozzles at a maximum pressure of 40 pet, and restrict ap-

BEST AVAILABLE COPY

plication to periods when wind speed does not seed 10 mph. To assure that spray will not adversely affect adjacent sensitive non-target plants, apply Cornbelt* Atrazine 900F by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

NONSELECTIVE WEED CONTROL ON NONCROP LAND

This product provides long-term weed control on industrial sites highway medians and shoulders, railroad rights of way, lumberyards petroleum tank farms, and in noncrop areas on farms such as around buildings equipment and fuel storage areas along fences and lanes. Do not use near adjacent desirable plants or in greenhouses or injury may occur.

Apply before or soon after weeds begin growth Make postemergence applications when weeds are young and actively growing. Use the higher bates and fine clay and muck soils. Use sufficient water to assure thorough, everage Use of least 1 gat of water for each pound of product use more if practical.

NOTE: Do not allow lives or \$100 graze the field areas or slegar residues may result

Annual broadleaf and grass weeds (including baggyardgrass, cheat grass, crabgrass, tambsquaders, foxtail, ragweed, puncturevine and turkey mullein): Broadcast 93-11e1 lb /A Hard-to-kilf annual and many-perennial broadleaf and grass weeds (including bluegrass, burdock, Canada thickle, edoglannel, orchardgrass, plantain, quackgrass, purpletop, rediod, and smooth brome): Broadcast 11 1 22 2 lb :A

Hard-to-kill biennial and perennial weed\$ (ig&fdqing bullthistle and sowthistle): Broadcast 22 2 44 4 lb /A

nger residual control in regions of high rain fall and a long gleason broadcast 22 2 44 4 lb /A

For small areas, 4 oz per 1,000 sq. ft. is equivalent to 11.1 to A

k Mixture with Princep 80W or Princep Caliber 90

alonly for long-term control of broadleaf and grass vegetation in areas listed in respective labels. Do not use on cropland or near desirable plants, or in greenhouses, or injury may occur

This tank mixture has similar activity and moisture requirements as described under above General Information section except that Princep provides preemergence control only

For best results, apply to the soil shortly before weed growth begins or apply postemergence to young, actively growing plants not over 6 inches tall.

Use sufficient water for thorough soil and plant coverage. Use at least 1 gall of water for each lb. of tank mixture herbicide. More water may be needed for heavy weed growth. Maintain agitation during mixing and application

Broadcast tank mixtures at the following rates to control those weeds listed. Use the lower rates for light weed infestations and the higher rates for heavier infestations.

Use 2 9 5 6 tb. A of this product plus 3 25 6 25 tb /A of Princep 80W for 2956 lb /A of Princep Caliber 90) to control weeds listed in the General Information and the several crop sections of the Princep 80W and Princep Caliber 90 labels

The above rates will also control California burclover, Orthocarpus purperescens, ripgut brome, smooth catsear, summer lupine, and mullein

6 lb /A of this product plus 6 25 lb /A of Princep 80W (or 5.6 Ib/A of Princep Caliber 90) to control burdock daisy fleabane fenrod, horseweed little mallow milkweed orchardgrass ckgrass, Russian thisfle shortpod mustard wild barley and wood sorrel

Use 11.1 lb/A of this product plus 12.5 lb/A of Princep 80W (or 11.1 lb/A) of Princep Caliber 90) to control eveningprimrose, shepherds needle, and tall fescue

For small areas, $\frac{1}{2}$ cup (4 oz) of this product per 1,000 sq. ft. is equivalent to 11.1 lb /A $\frac{2}{3}$ cup (4.5 oz) of Princep 80W or $\frac{1}{2}$ cup (4.0 oz) of Princep Caliber 90 per 1,000 sq. ft. is equivalent to 12.5 lb ·A of Princep 80/W or 11.1 lb /A of Princep Caliber 90, respectively

Tank Mixture with Diuron 80W

Use only for long term control of broadleafend gracs vegetation in areas listed in respective labels. Do not use on cropland or near desirable plants or in greenhouses, or injute reay occur.

This tank miriture has activity and moisture requirements similar to that described in above Geogral information section and in the diuron 80W label. For best esuits, apply to self-shortly before weed growth begins or apply to young actively growing plants not over 6 miches tall. For increased confact activity, add a surfactant at 2 qr per 100 gal of spray volume add surfactant as last ingredient to nearly full spray tank.

Use sufficient water for brokings ground and plant coverage. Use at least 1 gal. of water for each to of tank mixture. More water may be needed for heavy weed glowing. Maintain signation during mixing and application

Broadcast tank mixtures at the following falls to control those weeds listed. Use the lower rates for light weeds intestations and the higher rates for heavier infestations

Use 4.4.5.6 lb A of this product plus 5.6.25 lb /A of diuron 80W, for example. Karmex* 80W to control weeds listed in crop and non-crop Directions for Use on the diuron 80W label.

Use 5.6 lb /A of this product plus 6.25 lb /A of diuron 80W to control broomsedge, buckhorn plantain, Carolina geranium, chicory downy brome eveningprimrose, fleabane, goldenrod, horseweed, lespedeza little mallow, orchardgrass, Russian thistle shortpod mustard, tall fescue, wild barley, and wood sorrel

Use 11.1 lb /A of this product plus 12.5 lb /A of diuron 80W to control alfalfu, black nightshade, leafy spurge, and shepherds needle

To determine compatibility of tank mixtures, thoroughly mix products in a small container at the ratio of 1 qt. of water to 1.75 oz of

, of diuron 80W. Let stand for 5 minutes. If the this product plus & mixture remains mixed, or can be remixed readily, it is compatible and can be sprayed.

For small areas, ½ cup (4 oz) of this product or 1.25 cups of diuron 80W, such as Karmex 80W, per 1,000 sq. ft. is equivalent to 11.1 fb/A of this product or 12.5 fb /A of diuron 80W

STORAGE AND DISPOSAL

Pesticide Storage and Disposal

Store in a dry place. Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment. Open dumpling is prohibited. Waster, esulting from the use of this product, are acutely took improper disposal of unused pesticide, spray minimulation, consate is a violation of federal. pesticide spray multipolicinsate is a violation or redetail law Pesticide spray fricture or insate that cannot be used according to label instructions must be disposed of accord ing to federal state or fical procedures. For guidance in pro-per disposal methods, contact four State Pesticide or En-vironmental. Control, Agel, y. pr. the Hazardous. Waste representative at the hearest EPA Regional Office.

Container Disposel Container Disposer

Completely empty that into application equipment. Dispose of empty bag in a Sanitary randful or by incineration or by open burning. If allowed to state and local authorities if burned keep out of snicky.

burned keep out of smake For minor spills leaks ex. For minor spits leads, etc. (i) was precautions if dicated on this label and seed of inimediately. Take special care to avoid contain nation of magnetic and facilities during cleanup procedures and a sposal of wastes.

NDANGERED SPECIES RESTRICTIONS

following restrictions apply to use of this product after February

Before using this product in forests in a county fisted bei must contact the Endangered Species Specialist Regional Field Office of the U.S. Fish and Wildlife Service dicated below. You must provide FWS with him. Regional Field Office of the U.S. Fish and Wildlife Service dicated below. You must provide FWS with your name number, be product you intend to use, and the specific which you ntend to use it. The U.S. Fish and Wildlife Soform you wrether your proposed use is in the range of species. Useful this product in the range of endange of defined for you by FWS, is prohibited. id phone ocation in endangered d species, as

herokee DeKalb

Contact FWS Fit of Offices at the following num ALABAMA (Jackson, Mississippi, 601-965-4900), Etowah, Jackson, Marshall and St. Clair ARKANSAS (Jackson, Mississippi, 601-695-90 900) Clay Jackson

8-4613) Lake 03-225 1411) Litchfield 448) New Castle

80) Clay Gadsden Gulf

Elowah, Jackson Marshall and St. Clair ARKANSAS (Jackson Mississippi, 601-695 Lawrence and Woodruff CALIFORNIA (Sacramento, California, 916-95 CONNECTICUT (Concol), New Hampshire DELAWARE (Annapolis, Inaryland, 301-295-64 FLORIDA (Jacksonville, Flyrida, 904-791-786 Jackson Liberty, Marion, Drange and folk GEORGIA (Jacksonville, Flyrida, 904-91-786 Jackson, Liberty, Marion, Drange and folk GEORGIA (Jacksonville, Flyrida, 904-91-786 Jackson, Liberty, Derida, 904-91-786 Jackson, Valker, Wlyne, ILLINOIS (Bloomington, Indiara, 309-33-580 IOWA (St. Paul, Minnesota, 612-725-7-31) All ware. Dubuque, Fayette and Jackson, Maine (Concord, New Hampstire, 603-Cumberland, Kennebec and Yon MARYLAND (Chinapolis, Maryland, 811-266 MASSACHULTUS (Liberty), Michigan, 514-337-66 MINNESOTA (Twin Cities, Michigan), 514-337-66 MINNESOTA (Twin Cities, Michigan), 501-60 91 2580) Baker Brantley Habersham, Lee Rabun yne and Wheeler 93-5800) Randolph 31) Allamakee, Clayton (

e. 603-225 1411) Aroostook

201 26 448; Queen Anns Limpaine, 603 225 1411! Essex

337-6650) Berrien 612-725 3276) Goodhue and

MISSISSIPPI (Jackson Mis ISSIDDI. 01 965-4900) Sharkey and

Sunflower MISSOURI (Columbia My Souri, 3148 6-5374) Christian Dade

Greene and Ripley
NEW HAMPSHIRE (Conc Ird. New Hamphire, 603 225 1411) Belk
nap. Carroll, Merrimant Rockingham and Strafford
NEW JERSEY (State Co. Spe Pennsylvania, 114 234 4090) Sussex
NEW YORK (Cortland, New York 607 753-93 4) Delaware. Sullivan

and Ulster
NORTH CAROLINA (*Sheville North Carolina 704 2
Bladen Burke Hywrod, Henderson Micon
Scotland
OHIO (Columbus, Chio, 614 231 3416) Portage and S 704 259 0321i Avery Mitchell and

No. 614 231 3416 Portage and Summit yate College Pennsylvania 81 234 4090) Centre PENNSYLVANIA (

and Venanango RHODE ISLAND Concord New Hampskire 603

dence
SOUTH CAROL NA (ASCRVIIIE North Carolina 704 55
berg. Barnweil. Berkeley Clarendon Colleton of Cangeburg, condberry and Richland
TENNESSEE Ashevilla North Carolina 704-259-0 69 0321) Barn Oconee

(21) Carter Hamilton a ake City 4Jtate 801-524-4430; Cache, Er

and Wayn VIRGINIA (Innapolis, Marylano 301-269-5448) Caroline J Prince Villiam and Smyth WISCON IN (Green Bay, Wisconsin 414-465-2682) Grant Richland, Sauk and Vernon

sing this pesticide on range and/or pastureland, n in the counties listed below, you must obtain the IDE USE BULLETIN FOR PROTECTION OF ENDANG RED SPECIES for the county in which the product is to be used it bulletin is available from your County Extension Agent State is and Game Office, or your posticide dealer. Use of this product in the interest in the product is an interest in the product of the product in the product of the product in the produ

ES1

Control Color Colo

WISCONSIN at the refer of the art bank.

Cropland: Corn or Sorghum

ALT AMA — Colbert Greene tackson Lamar Lauderdaie

Li one Mad son, Myshali Margan Pickens and Sumter

AHREDNA — Gr. ham, Naricopa, Mohrve Pima, Pinal and Santa

Cruz ARKANSAS — Binton, Clay, Cryk, Cross, Lawrence, Lee

— nsettle Polk, Randorph Sharp and Sti-Francis CALIFORNIA —

e Colusa Glern Imperial, Merked, Modoc, Riverside

Sustamento Solano Sulter Teherna and Yor FLORIDA — Broward

Dade, Glades and atm Beach KENTUCKY — Ballard Butler, Ed

mundson Green Hart Jackson Laurel wingston, Marshali

McCracken Mohreary, Pulaski Rockcastle, Taylor, Warren and

Waylie MISSI SIPPI — Claiborne, Copiah, Hinds Itawamba

Lowndes Mohroe and Noxubee MISSOURI Barry Benton

Camden, Chistian Dallas, Greene Hickory, Usper, Lawrence

Miller New in Osage Polk St Clair Stone and Wilser NeVADA

— Clark LEW MEXICO — Chaves Debaca and Eddy NORTH

CAROLINA — Edgecombe Nash and Pitt OHIO — Pickaway

OKLAHOMA — Delaware McCurtain and Pushmataha DREGON —

Lake TINNESSEE — Bedford Blount Claiborne Decato Franklin

Hancok Hardin Hickman Knox Lawrence Lincoln Loulon Mar

shall Maury Mergs Minnore Rhea Roane Scott Sequatchi Smith

Sulfyan and Wayne TEXAS — Pastrop Burleson Comal Narris

Hars Jeff Davis Pecos and Reeves UTAH — Utah and Washin ton

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russell Scott Smyth Tazewell Washington Ind

Visigina — Lee Russel

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

CAUTION

Barmful if swallowed, inhaled or absorbed through skin. Do not breathe dust or spray mist. Avoid contact with eyes, skin. or clothing

First aid: If swallowed contact your local poison control center, hospital or physician. If the patient is unconscious tenier, nospital or physician in the patient is unioniscious maintain breathing and hearlbeat (cardiopulmonary resuscritation). If the patient is conscious and alert, induce vomiting (syrup of ipecac or stimulate the back of the throat with a finger). NEVER GIVE ANYTHING BY MOUTH TO AN UN CONSCIOUS PERSON

In case of skin contact, remove contaminated clothing and wash with soap and water. In case of contact with eyes, flush with plenty of water. Get medical attentiop if irritation per

Note to Physician. There is no specific antidote for atrazing If this product is ingested induce emests of lavage stomach. The use of an aqueous sturry of activated charcoal may be considered

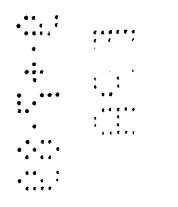
Environmental Hazards Do not apply directly to an body of water Do not apply directly to an body of water Do not apply where runoff is likely to or our Do not contaminate water tive leaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from treated areas. Attrazine can travel (seep or leach) through soil and can enter groundwater which have be used as drinking water. Attrazine has been found in groundwater. Users are advised not to apply Attrazine to sand-and downy sand-apply where the water table (groundwater) is close to the serface and where these soils are very permeable, i.e. well-dramed. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater. type of soil in your area and the location of groundwater

All crops — this pesticide is toxic to aquatic invertebrates Do not apply directly to water or wetlands. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes

Concept tradem ep^a trademack of Ciba-Geigy trademark of Ciba-Geigy for metolachlor U.S. Patent No. 3,937,730 Igran^a trademark of Cibe-Geigy for terbutryn Karmex^a trademark of E.I. duPont de Nemours & Co. for diuron Lasso* trademark of Monsento Compeny for alachior
Princep* trademark of Ciba-Gelgy for almazine
Remrod* trademark of Monsento Compeny for propachior
Roundup* trademark of Monsento Compeny for propachior
Roundup* trademark of Monsento Compeny for glyphosate herbicide
Sutan + * trademark of Stauffer Chemical Co. for butylate Combelt' is a registered trademark of VAN DIEST SUPPLY CO

Webster City Towa 50595

10,36.87



GEST AVAILATE

