

ner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2562, or contact Chemtrec at 800-424-9300.

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8EC HERBICIDE



**For control of certain
grasses and broadleaf
weeds in soybeans and
potatoes.**

ACTIVE INGREDIENTS:

Metolachlor, 2-chloro-N-(2-ethyl-6-methyl-phenyl)-N-(2-methoxy-1-methylethyl)acetamide*	70%
Metribuzin, 4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one**	15%
INERT INGREDIENTS	15%
	100%

*U.S. Patent No. 3,937,730

**U.S. Patent No. 3,671,523

EPA Reg. No. 3125-366

EPA Est. 3125-MO-1

Contains 6.55 pounds of metolachlor and 1.45 pounds of metribuzin per gallon.

STOP — Read the label before use.

Keep out of reach of children.

CAUTION

(See side panel for additional precautions and statements of practical treatment.)

NET CONTENTS 2.5 GALLONS

Mobay Corporation

A BAYER USA INC. COMPANY



**Agricultural Chemicals Division
Box 4913, Kansas City, Mo. 64120**

PM 25 3125 MO 1

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Do not contaminate feed or food.
Do not apply this product through any type of irrigation system.
For complete directions for use, see manufacturer's recommendations accompanying this container.
IMPORTANT: Read these entire Directions and Conditions of Sale before using TURBO SEC herbicide.
CONDITIONS OF SALE: The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic area where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Mebay offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Mebay and are, therefore, the responsibility of the buyer.

Precautionary Statements.

Hazards to humans and domestic animals.

Caution.

May be harmful if swallowed, inhaled or absorbed through the skin. This product may cause allergic skin reactions. Wear protective clothing (coveralls and gloves) while handling or using this product. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

Keep out of reach of children.

Obtain prompt medical aid if poisoning should occur.

To Physician: No specific antidote is available. Treat the patient symptomatically.

Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

Statements of practical treatment.

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. For further treatment get medical attention.

If swallowed, call a physician or poison control center. Vomiting should be induced. Administer water freely and induce vomiting by giving one dose (½ oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

If on skin, wash thoroughly with soap and warm water.

Re-entry statements.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Environmental hazards.

Do not use on other crops grown for food or forage. Do not apply directly to water or wetlands (swamps, bogs, marshes or potholes). Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on labeling of all products used in mixtures.

Ground Water and Surface Water Advisories.

Metolachlor has been identified in limited sampling of ground water and there is the possibility that it may leach through the soil to ground water, especially where soils are coarse and ground water is near the surface. Following application and during rainfall events that cause runoff, metolachlor may reach surface water bodies including streams, rivers, and reservoirs.

Care must be taken when using this product to prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixture or rinsates.

Check valves or antisiphoning devices must be used on all mixing equipment.

Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well-drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

TURBO 8EC HERBICIDE



“The Simple Solution”

TURBO[®]

8EC

HERBICIDE

909448

881001

For control of certain grasses and
broadleaf weeds in soybeans and
potatoes

ACTIVE INGREDIENTS:

Metolachlor 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl) acetamide*	70%
Methoxy-1,2,4-triazine-5(4H)-one**	15%
INERT INGREDIENTS	15%
	100%

Contains 8.58 pounds of metolachlor and 1.45 pounds of
methoxy-1,2,4-triazine per gallon

*U.S. Patent No. 3,937,730 **U.S. Patent No. 3,671,523
EPA Reg. No. 3125-366 EPA Est. 3125-MO-1

KEEP OUT OF REACH OF CHILDREN.

CAUTION

(See Next Page for Additional Precautions and Statements
of Practical Treatment)

STOP-READ THE LABEL BEFORE USE.

Mobay Corporation



Agricultural Chemicals Division
Box 6913 Kansas City, Mo. 64116

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**PRECAUTIONARY STATEMENTS.
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS.
CAUTION.**

May be harmful if swallowed, inhaled or absorbed through the skin. This product may cause allergic skin reactions. Wear protective clothing (coveralls and gloves) while handling or using this product. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

Keep out of reach of children.

Obtain prompt medical aid if poisoning should occur.

To Physician: No specific antidote is available. Treat the patient symptomatically.

Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

**STATEMENTS OF PRACTICAL
TREATMENT.**

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. For further treatment get medical attention. If swallowed, call a physician or poison control center. Vomiting should be induced. Administer water freely and induce vomiting by giving one dose (2 oz. or 15 ml) of syrup of ipecac. If it does not occur within 10 to 20 minutes administer second dose. If syrup of ipecac is not available induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately. If on skin, wash thoroughly with soap and warm water.

RE-ENTRY STATEMENTS.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals 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 should include those statements found under the label heading "Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING,** area treated with **TURBO SEC** herbicide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes. If swallowed, vomiting should be induced. (See Precautionary Statements on label).

ENVIRONMENTAL HAZARDS.

Do not use on other crops grown for food or forage. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on labeling of all products and mixtures.

**GROUND WATER AND SURFACE
WATER ADVISORIES.**

Metolachlor has been identified in limited sampling of ground water and there is the possibility that it may leach through the soil to ground water, especially where soils are coarse and ground water is near the surface. Following application and during rainfall events that cause runoff, metolachlor may reach surface water bodies including streams, rivers, and reservoirs.

Care must be taken when using this product to prevent back siphoning into wells, spills or improper disposal of excess pesticide spray mixture or rinsates.

Check valves or antisiphoning devices must be used on all mixing equipment.

Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metribuzin has been found in

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ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

DIRECTIONS FOR USE:

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

Do not contaminate feed crops.

IMPORTANT: Read these entire Directions for Use and Conditions of Sale before using TURBO 8EC herbicide.

CONDITIONS OF SALE: The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic area where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Mobay offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Mobay and are, therefore, the responsibility of the buyer.

GENERAL INFORMATION.

MIXING: When using TURBO 8EC, make sure the sprayer is completely clean, free of rust or corrosion which occurs from winter storage. Examine strainers and screens to be sure the sprayer is clean from previously used pesticides.

Any tank mix containing TURBO 8EC should be kept agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

1. If the tank mix is to be used for Turb 8EC, mix the tank mix contents with the Turb 8EC.

2. In the spray tank, add 100 gallons of water.

3. Add the spray tank to the tank with water.

4. Add the concentrate of Turb 8EC to the tank mix, agitating with agitation.

5. Follow the procedure provided in the label under TURB 8EC AND TURB 8EC to determine the spray rate to be used from the tank.

6. Mix the spray and add 100 gallons of water to the spray tank to desired level.

7. Add the other emulsifiable concentrate herbicide to the tank and agitate thoroughly.

8. Continue agitation during application and until the spray tank is empty.

(Other Products)

If the tank mix combination is to be made using a wettable powder, liquid emulsion, liquid flowable, or water dispersible granules, TURBO 8EC should be added last after the other herbicide has been thoroughly dispersed.

APPLICATION: Use a standard pressure (20 to 40 psi) herbicide sprayer equipped with suitable nozzles and screens, or a pump sprayer with 22 in. and in-line strainers. Agitate thoroughly before and during application with high pressure.

Do not apply this product through any type of irrigation system.

Ground Application: Apply the proper rate of TURBO 8EC in a minimum of 10 to 40 gal. of spray mixture per acre broadcast or banded application. Use proportionally less TURBO 8EC per acre in a narrower band application. For band application use 10 gal. of spray mixture per inch of band width regardless of row width.

Examples: To treat a 15-inch band on rows 30 inches apart, use one-half of the broadcast rate of TURBO 8EC. To treat a 15-inch band on rows 42 inches apart, use one-third of the broadcast rate of TURBO 8EC.

Aerial Application: Where permitted, apply spray mixture in a minimum of 2 to 10 gal. of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

FOR ALL APPLICATIONS OF TURBO 8EC: Sprayer must be accurately calibrated before applying TURBO 8EC. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of

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spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid over application, misapplication, and boom and spray swath overlapping that will increase spray dosage. (Crop injury may occur as a result.) Avoid spray skips and gaps which allow weeds to grow in untreated soil. Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as cole crops, onions, peas or strawberries are present in adjacent fields or in areas where wheat is growing in coarse textured soils.

SPRAYER CLEANUP: Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of TURBO 8EC from the spray tank and discard in non-crop areas away from water supplies. Rinse the spray tank and refill with water, adding a heavy-duty detergent at the rate of one cup per 20 gallons of water. Recycle this mixture through the equipment for 6 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes and spray out. Clean pump and nozzle screens thoroughly. Wash away any spray mixture from the outside of spray tank, nozzles or spraying. All rinse water must be disposed of in compliance with local, state and Federal guidelines.

APPLICATION OF TURBO 8EC IN FLUID FERTILIZERS

TURBO 8EC may be applied in fluid fertilizer solutions to soybeans by following the appropriate mixing procedures and compatibility check. Compatibility checks of TURBO 8EC should be made for each batch of fluid fertilizer because of the variability of these fertilizers.

Compatibility Check:

1. Premix 2 teaspoonfuls of TURBO 8EC with 8 teaspoonfuls of water (1:4 ratio) in a quart jar by adding the water first and follow with TURBO 8EC. Mix thoroughly.
2. Then pour 1 pint of fluid fertilizer into the quart jar and shake well.
3. Allow to stand for 5 minutes.

THIS COMPATIBILITY CHECK SHOULD ONLY BE USED WHEN MIXING WITH FLUID FERTILIZERS.

Interpretation of Results: If the solution in the jar appears to be uniform, without signs of agglomeration, or without a separation of an oily film on top of the fertilizer, the mixture may be used. If not, repeat the compatibility check using

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twice the amount of water or add a compatibility agent to the water. If separation occurs and can be resuspended by shaking, then application is possible with good agitation in the spray tank.

COMMERCIAL IMPREGNATION AND APPLICATION OF TURBO 8EC ON DRY BULK FERTILIZER

Dry bulk fertilizer may be impregnated or coated with TURBO 8EC for application to soybeans. All recommendations, cautions, and special precautions on the label must be followed along with State regulations relating to dry bulk fertilizer blending, impregnating and labeling.

Impregnation: To impregnate, use a system consisting of a belt, conveyor or closed drum which is used for dry bulk fertilizer blending. Any commercially used fertilizer can be impregnated with TURBO 8EC except ammonium nitrate, or fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate. Do not use calcium powder limestone.

Apply using a minimum of 200 pounds dry bulk fertilizer per acre and up to a maximum of 450 pounds per acre. To impregnate or coat the dry bulk fertilizer with TURBO 8EC, the delivery nozzles must be directed to deliver a fine spray toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of TURBO 8EC on dry bulk fertilizer will vary and if the absorptivity is not adequate, an absorbent powder may be added to produce a dry free-flowing mixture. Microcel E (Johns-Manville Product Corporation) is the recommended absorbent powder. TURBO 8EC should be pre-mixed with water to form a sprayable mixture. Apply immediately after impregnation unless experience has shown that impregnated fertilizer can be stored without becoming lumpy and difficult to spread.

Rates: Select the recommended rate of TURBO 8EC per acre from the appropriate section of this label and refer to the formula below to determine the amount of TURBO 8EC which is to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be distributed on one acre.

$$\frac{\text{Pints TURBO 8EC}}{\text{Per Acre}} \times \frac{2000}{\text{lbs. Fertilizer Per Acre}} = \frac{\text{Pints TURBO 8EC}}{\text{per Ton of Fertilizer}}$$

Application: Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application

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equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply $\frac{1}{2}$ the recommended rate and overlap 50 percent or to double apply by splitting the middles to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additives to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

SOYBEANS

TURBO 8EC is recommended for preplant or shallow incorporated, preemergence **SPLIT SHOT™** and **EXTENDED SPLIT SHOT™** application to control certain weeds in soybeans. All applications where permitted can be applied with ground or aerial spray equipment.

Activation: A minimum amount of soil moisture is required to activate TURBO 8EC. In areas of low rainfall, preemergence applications to dry soil should be followed with light irrigation of $\frac{1}{4}$ acre inch of water. Do not apply heavy irrigation immediately after application. As with many surface applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

Grazing and Feeding Treated Vines: Treated vines may be grazed or fed to livestock 40 days after the application of TURBO 8EC.

Rate Ranges: Where a rate range is shown, use a lower rate on soils that are coarse textured or low in organic matter. Use higher rate on soils that are relatively fine textured or high in organic matter.

Replanting: If replanting is necessary in fields previously treated with TURBO 8EC as directed on this label, the field may be replanted to soybeans. However, a minimum of tillage is recommended. Do not apply a second treatment as injury to soybeans may occur.

SPECIAL PRECAUTIONS (Soybeans)

Injury to soybeans may occur when TURBO 8EC is used under the following conditions:

1. When soils have a calcareous surface area of a pH of 7.5 or higher.
2. Due to the sensitivity of certain soybean varieties, TURBO 8EC is not recommended for use on sensitive varieties such as Tracy, Semmes, Altona, Dassel, Van soy, Coker 102, Coker 156, Portage, Maple Amber.

Govan NKS 1884, Terra-Vig 505, Terra-Vig 606, Vintor 81, Asgrow 6520, AP 55, AP 71, and Narow. Consult your Mohay representative or your seed supplier for information on the tolerance to TURBO of newly released soybean varieties, prior to use of TURBO 8EC.

3. When applied in conjunction with soil applied organic phosphate pesticides.
4. Over application or boom overlapping may result in stand loss and soil residues.
5. Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
6. When applied to any soil with less than 1% organic matter.
7. Soil incorporation deeper than recommended.
8. When sprayers are not calibrated accurately.
9. When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
10. When soybeans are planted less than 1 1/2" deep, particularly when TURBO 8EC is applied preemergence.
11. Where atrazine carryover is present.
12. When using poor quality soybean seed.

TURBO 8EC ALONE

Preplant Incorporated Application: Incorporate TURBO 8EC into the top 2 inches of soil within 14 days before planting using a disk, harrow, rolling cultivator, or similar implement. Apply TURBO 8EC preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

Preemergence Application: Dry weather following preemergence application of TURBO 8EC may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tilling equipment such as a rotary hoe that will not damage soybeans.

For information on applying product in fluid or dry fertilizer, refer to the Application of TURBO in Fluid Fertilizers, and Commercial Impregnation and Application of TURBO on Dry Bulk Fertilizer sections of this label.

Weeds Controlled: TURBO 8EC, when applied as directed will control the following weeds:

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Annual Grasses:

Barnyardgrass
Bluegrass
Broadleaf Signalgrass
Crabgrass
Crowfootgrass
Cupgrass, Prairie
Cupgrass, Southwestern

Foxtails
Goosegrass
Juncifera
Panicum, Fall
Red Rice
Witchgrass

Annual Broadleaves:

Black Nightshade
Bristly Starbur
Carpetweed
Copperleaf, Hophornbeam
Florida Beggarweed
Florida Pusley
Galinsoga
Jimsonweed
Knotweed
Kochia
Lambsquarters
Pigweeds
Prickly-spear

Purslane
Ragweed, Common
Redweed
Russian Thistle
Sesbania
Shepherdspurse
Sisymbrium
Smartweeds
Spotted spurge
Spurred anoda
Velvetleaf
Venice Mallow
Wild Mustards

TURBO BEC will provide suppression or erratic control (ranging from poor to excellent) of cocklebur, seedling Johnsongrass, hairy nightshade, yellow nutsedge, Texas panicum, sandbur, flattercane, yellow sorghum and sunflower.

RECOMMENDED APPLICATION
(Broadcast Rates)

Soil Texture	TURBO BEC Pints/Acre	
	ORGANIC MATTER	
	0.5 to 3%	Over 3%
Coarse (Loamy sand, sandy loam)	1 1/2	1 1/2
Medium (Loam, silty loam, silty sandy clay, sandy clay loam)	2 2 1/2	2 1/2
Fine (Silty clay, silty clay loam, clay, clay loam)	2 1/2	2 3/4

* Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the US.
* Do not use on sand soils. On coarse textured soils, do not use on sandy soils with less than 2% organic matter.
* For preplant incorporation, use the lower rate.
* For Southern and Southeastern States, see section below on Coarse Light Soils Only.

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IN COARSE (LIGHT) SOILS ONLY

Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia.

TURBO BEC is recommended for use as a preplant incorporated and pre-emergence application in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label for specific directions on use, recommendations and restrictions.

Mixing: Refer to "Mixing" under the "General Information" section in the front of this label.

Application: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

Weeds Controlled: Refer to the TURBO BEC alone section in this label for a complete list of weeds controlled.

Soil Texture	TURBO BEC Pre-emergence Application	
	Organic Matter	TURBO BEC DIS RATE
Coarse Soils (Loamy sand, sandy loam, silty loam, sandy clay loam, silty clay loam, clay loam)	0.5 to 3%	1 1/2
	Over 3%	1 1/2

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label.

Handwritten text and stamp: "EPA REG. NO. 105-100000-0100"

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TURBO 8EC PLUS OVERLAY APPLICATION OF SENCOR® HERBICIDE

TURBO 8EC applied preplant or shallow incorporated followed by an overlay application of SENCOR herbicide will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Refer to the SENCOR herbicide label and to appropriate sections of this label for directions for soil preparation, herbicide application, incorporation techniques, and for additional directions on rates, weed species controlled, and special precautions.

Application: Apply TURBO 8EC as a preplant or shallow incorporated application up to 14 days before planting at rates listed below. This is followed by SENCOR alone at the indicated rates as a preemergence overlay application after planting but prior to soybean emergence.

On medium and fine textured soils with greater than 2% organic matter, a rate range is recommended for the SENCOR preemergence overlay application. The higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between preplant incorporated tank mix and preemergence overlay applications approaches the maximum 14 days as stated above, and/or (c) when the organic matter content of the soil is at the upper end of the indicated range.

Weeds Controlled: In addition to the weeds controlled by TURBO 8EC alone, TURBO 8EC with SENCOR will control Buf. talobur, Cocklebur, and Sunflower.

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TURBO 8EC PLUS SENCOR 4 APPLICATION (Broadleaf Herbicide)

Soil Texture	Preplant Incorporation Application		Overlay Application	
	TURBO 8EC (ppb acrs)	SENCOR 4 (ppb acrs)	TURBO 8EC (ppb acrs)	SENCOR 4 (ppb acrs)
Coarse (Sandy loam, sandy loam, sandy clay)	1.0	2.0	1.0	2.0
Medium (Silt loam, silty loam, silty clay, silty clay loam, silty clay, clay loam)	1.0	2.0	1.0	2.0
Fine (Silt, silty loam, silty clay, clay)	1.0	2.0	1.0	2.0

*Soybean seedlings are transplanted, transplanted, and may be established as medium textured soils in some regions of the U.S.

*Do not use on coarse textured soils with less than 1% organic matter after a rainwater surface area of a pH of 5.5 or higher.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information refer to the appropriate sections of this label and the SENCOR label.

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TURBO 8EC PLUS SENSOR OF APPLICATION (Broadcast Rates)

Soil Texture	Preplant Incorporated Application TURBO 8EC (pts/acre)		Preemergence Overlay Application SENSOR OF (lbs/acre) ORGANIC MATTER 2 to 4%	
	FOLLOWED BY		Over 4%	
Coarse (Sandy loam, sandy loam, sandy clay)	1 1/2	followed by	1 1/2	1 1/2-1 3/4
Medium (Loam, silt loam, sandy clay, loam, silt, sandy clay)	1 1/2	followed by	1 1/2	1 1/2-1 3/4
Fine (Silty clay loam, clay loam, silty clay)	2 1/2	followed by	1 1/2	1 1/2-1 3/4

* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

* Do not use on coarse textured soil with less than 1% organic matter, a calcareous surface area or a pH of 7.5 or higher.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the SENSOR label.

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SPLIT-SHOT™ APPLICATION

TURBO 8EC applied preplant or shallow incorporated followed by a preemergence application of TURBO 8EC will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Refer to the appropriate sections of this label for directions for soil preparation, herbicide application, incorporation techniques, and for additional directions on rates, weed species controlled, and special precautions.

Application: Apply TURBO 8EC as a preplant or shallow incorporated application up to 14 days before planting at rates listed below. This is followed by TURBO 8EC at the indicated rates as a preemergence overlay application after planting but prior to soybean emergence.

Where a rate range is recommended for TURBO 8EC, the higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, or when the time between preplant incorporated and preemergence overlay applications approaches the maximum 14 days as stated above, and/or (b) when the organic matter content of the soil is over 3 percent.

Weeds Controlled: In addition to the weeds controlled by TURBO alone, TURBO SPLIT-SHOT application will control Buffalograss, Cocklebur, and Sunflower.

SPLIT-SHOT APPLICATION (Broadcast rates)

Soil Texture	Preplant Incorporated Application TURBO 8EC (pts/acre)		Preemergence Overlay Application TURBO 8EC (pts/acre)	
	FOLLOWED BY			
Coarse (Sandy loam, sandy loam, sandy clay)	1 1/2	followed by	1 1/2	1 1/2-1 3/4
Medium (Loam, silt loam, sandy clay, loam, silt, sandy clay)	1 1/2	followed by	1 1/2	1 1/2-1 3/4
Fine (Silty clay loam, clay loam, silty clay)	2 1/2	followed by	1 1/2	1 1/2-1 3/4

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*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the US

*Do not use on coarse textured soil with less than 1% organic matter, a calcareous surface area or a pH of 7.5 or higher

*Total not to exceed 3 lbs/acre on soils with organic matter less than 3 percent

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label

TURBO 8EC PLUS SCEPTER® TANK MIX APPLICATION

TURBO 8EC may be applied with Scepter 1.5 AS as a preplant incorporated, preemergence broadcast or band application, for the control of certain broadleaf weeds and grasses in soybeans. Consult the Scepter label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing: Refer to "Mixing" under the "General Information" section in the front of this label.

Applications: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

Weeds Controlled: In addition to weeds controlled by TURBO alone, TURBO plus Scepter will control the following annual broadleaf weeds:

Buffalo burr ••••• Morningglory smallflower
Cocklebur ••••• Sicklepod
Morningglory, pitted ••••• Sunflower

TURBO 8EC plus Scepter will provide suppression (reduce the competition) of ivyleaf and tall morningglory, and giant ragweed.

TURBO 8EC PLUS SCEPTER APPLICATION (Broadcast rates)

Soil Texture	TURBO 8EC* (lbs. acre)	Scepter 1.5 AS* (pts. acre)
Coarse Coarse sand, sandy loam	1.0	2
Medium Medium sand, loam, silty loam, silty clay, sandy clay, clay	1.5	3
Fine Silty clay, clay, silty clay, clay	2.0	4

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*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the US.

*Higher rate is recommended on soils with organic matter greater than 1%.

*For preemergence application, use the higher rate for moderate to heavy infestations. For control of giant ragweed and sicklepod, use the higher rate and a preplant incorporated application.

*For Southern and Southeastern states, consult the "Soil Source" section of this label for the appropriate rate.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean up information, refer to the appropriate sections of this and the Scepter label.

Do not use vines treated with Scepter for feed or forage.

SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING TURBO 8EC

If needed, application of TURBO 8EC alone or in a registered tank mix according to directions on this label, may be followed by an early postemergence application of Scepter 1.5 AS for control of cocklebur. Apply $\frac{1}{4}$ to $\frac{1}{2}$ pint of Scepter in a minimum of 20 gallons of water per acre. Use $\frac{1}{4}$ pint of Scepter if cockleburs are less than 3 inches tall or have fewer than 3 leaves and are actively growing. For cockleburs less than 6 inches tall and actively growing use $\frac{1}{2}$ pint per acre. Do not use Scepter when soybeans or cockleburs have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of $\frac{1}{2}$ pint of Scepter 1.5 AS per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

When preparing the spray mixture with Scepter, add 2 pints of nonionic surfactant approved for use on growing crops and containing at least 80% active ingredient per 100 gallons of mixture. Apply crop oil concentrate (COC) at the rate specified on the COC label.

Use Scepter 1.5 AS only in the states where it is registered as listed on the product label.

Apply Scepter 1.5 AS at least 90 days before harvest of soybeans. Do not graze or feed soybean forage, hay, or straw to livestock.

Refer to the Scepter label for additional cautions and precautions, directions, limitations, and information on environmental hazards and planting of rotational crops.

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TURBO 8EC PLUS COMMAND® TANK MIX APPLICATION

TURBO 8EC may be applied with Command 4 EC as a preplant or shallow incorporated broadcast application for the control of certain broadleaf weeds and grasses in soybeans. Consult the Command label for specific directions for use, recommendations and restrictions not specified on this label.

Mixing: Refer to "Mixing" under the "General Information" section in the front of this label.

Application: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

Weeds Controlled: In addition to weeds controlled by TURBO alone, TURBO plus Command will provide improved control of heavy infestations of velvetleaf, jimson weed and common ragweed.

TURBO 8EC PLUS COMMAND APPLICATION (Broadcast rates)

Soil Texture	TURBO 8EC (pts/acre)	Command 4EC (pts/acre)
Coarse	1.0	1.0
Medium	1.0	1.0
Fine	1.0	1.0

Soils may be transitional soils and may be classified in more than one category in some regions of the U.S.

The higher rate is recommended on soils with organic matter greater than 1%. In the southern and southeastern states in coarse soils, see the Command 4EC label for additional information.

Special Precautions: Do not plant wheat, oats, barley, rye or alfalfa in the fall or following spring after application as crop injury may occur.

Do not use vines treated with Command for feed or forage.

For additional precautions, restrictions, limitations and sprayer clean up information, refer to the appropriate sections of this label and the Command label.

Do not apply where weather conditions favor drift.

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TURBO 8EC in REDUCED-TILLAGE OR NO-TILL SYSTEM

Application: TURBO may be applied in combination with Gramoxone® Super, Roundup® or 2,4-D low volatile ester for the control of annual grasses and broadleaf weeds and suppression of emerged perennial weeds where soybeans are directly seeded into a stale seedbed, cover crop, or in previous crop residues.

Special Precaution: Poor weed control and/or crop injury may result if directions are not followed. Do not use a rib-type press wheel on your no-till planter or crop injury may result. For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of the Gramoxone, Roundup, 2,4-D low volatile ester labels and this label.

TURBO 8EC plus Gramoxone Application: Apply 1 to 2 pints of Gramoxone with TURBO 8EC at rates listed below as a pre-emergence broadcast ground spray. Use the higher rate of Gramoxone for weeds 4 to 6 inches tall. Soybeans exposed at the time of application will be killed. Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestations or with large amounts of previous crop residues. When a surfactant is needed, add Ortho X-77® Spreaders or similar non-ionic spreader at 8 fl ounces per 100 gallons of diluted spray. Refer to the Gramoxone label for rates, directions, limitations, and precautions.

TURBO 8EC plus Roundup Application: Apply 1 to 1.5 quarts of Roundup with TURBO 8EC at rates listed below as a pre-emergence broadcast ground spray. Use the higher rates of Roundup for weeds greater than 6 inches tall. Refer to the Roundup label for additional rate information, directions, limitations, and precautions.

TURBO 8EC plus 2,4-D Low Volatile Ester Application: Apply 1.0 lb active ingredient (ai) per acre of 2,4-D low volatile ester with TURBO 8EC at rates listed below as an early preplant surface application. Application is recommended 30 days prior to planting. Refer to the 2,4-D low volatile ester label for additional rate information, directions, limitations, and precautions.

Weeds Controlled: TURBO 8EC combinations will control the weeds listed in the TURBO 8EC alone section. Refer to the Gramoxone, Roundup or 2,4-D low volatile ester labels for additional weeds controlled.

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

An early preplant (surface-applied or shallow incorporated) application of TURBO BEC followed by a pre-emergence surface application of TURBO BEC after planting but prior to soybean emergence will provide more consistent control of broadleaf and grass weeds than a single application.

Application: An early pre-plant application may be made 15 to 30 days prior to planting soybeans. Follow this application with a pre-emergence overlay application after planting but before crop emergence. Follow directions on the label accompanying the product for SPLIT-SHOT applications from 0 to 14 days before planting.

Where a rate range is recommended, the higher rates should be used (a) in fields with a history of severe weed pressure, (b) when the time between early preplant and preemergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soil is over 3 percent, and/or (d) when heavy crop residues are present on the soil surface.

$$\begin{aligned} & \text{A}^{\text{th}} \text{order approximation of } \mathbf{S}(\mathbf{z}) \text{ can be obtained by truncating the } \mathbf{S}(\mathbf{z}) \text{ series expansion} \\ & \text{to } (2N+1)^{\text{th}} \text{ order, i.e., } \mathbf{S}(\mathbf{z}) \approx \mathbf{S}^{(2N+1)}(\mathbf{z}) = \mathbf{S}(\mathbf{z}) + \mathbf{O}(\|\mathbf{z}\|^{2N+2}). \text{ The } \mathbf{S}^{(2N+1)}(\mathbf{z}) \text{ can be} \\ & \text{obtained by truncating the } \mathbf{S}(\mathbf{z}) \text{ series expansion to } (2N+1)^{\text{th}} \text{ order.} \end{aligned}$$

Weeds Controlled: In addition to the weeds controlled by TURBO REEL, the EXTENDED SPLIT SHOT also controls wild cotton, buffa, tur cockiebur, and sun flower.

	Early Preplant Application	FOLLOWED BY	Preemergence Overlay Application
Soil Texture	TURBO DEC		TURBO DEC
Coarse	plts acre		plts acre
Medium			
Fine			

Thiophanate-methyl is recommended as a fungicide for use as a pre-harvest spray for the control of certain broadleaf weeds and grasses in potatoes.

Application. Apply with ground or aerial blast sprayer or aerial spray equipment as a preemergence broadcast application. Apply after planting but before crop emergence or after drag of if this operation is part of the normal cultural practice.

Weeds Controlled: TURBO SEC, applied preemergence to potatoes according to directions, will effectively control

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Barnyardgrass

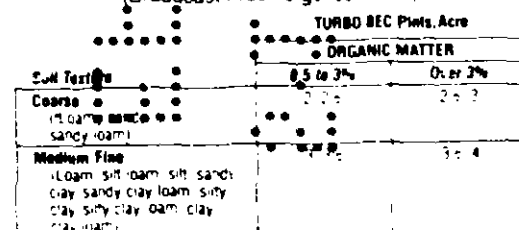
Barnyardgrass	Goosegrass
Broadleaf Signalgrass	Junglence
Crabgrass	Nutsedge, Yellow
Crowfootgrass	Panicum, Fall
Cupgrass, Prairie	Red Rice
Cupgrass, Southwestern	Witchgrass
Foxtails	

Annual Broadleaves:

Black Nightshade
Carpetweed
Galinsoga
Jimsonweed
Lambsquarter
Pigweeds
Prickly sida
Ragweed, Common
Russian Thistle
Sesbania
Sheepspurse
Sicklepod
Smartweed, Pennsylvania
Velvetleaf
Winged Mallow
Western hairy nightshade
Wild mustards

TURBO BEC will suppress (reduce the competition of) cocklebur, common purslane, hairy nightshade Johnson-grass (seedling), Kochia, sandbur, and volunteer sorghum

(Broadcast Pre-emption Rates)



* Due to use on sand soils
Silty clay (am) soils are transitional soils and may be classified as med. textured soils in some regions of the U.S.

Special Precaution: Do not apply within 24 hours of application of other pesticides

Do not use TURBO 8EC at or after potatoes have emerged

Applications to Atlantic, Shepody, Chip Bell, Bell Chip and Centennial varieties may cause crop injury, especially under adverse weather conditions and when higher label rates are used.

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Do not apply to sweet potatoes or to yams

Do not plant sensitive crops such as onions, lettuce, sugar beets, cole crops and cucurbits during the next growing season following applications of TURBO 8EC or injury may occur.

Do not harvest within 60 days after application

Do not use on muck or peat soils

Postemergence Sequential Applications with SENCOR:

TURBO BEC may be followed by a post-mergence application of 1/2 to 1 1/2 pint of SENCOR 4 or 1/3 to 2/3 pounds/acre of SENCOR DF. If TURBO BEC is used on medium/fine soils with greater than 3% organic matter use 1/2 pint of SENCOR 4 or 1/3 pound of SENCOR DF. For additional precautions, restrictions and limitations refer to the label for SENCOR 4 or SENCOR DF.

CROP ROTATION RECOMMENDATIONS:

Waiting For After Application of TURBO SEC

4 Months	8 Months	12 Months	18 Months
A. 1st Barley	4.00	4.00	4.00
Winter Wheat	4.00	4.00	4.00
Barley	4.00	4.00	4.00
Wheat	4.00	4.00	4.00
Hay	4.00	4.00	4.00
Grain	4.00	4.00	4.00
Stock	4.00	4.00	4.00
Land	4.00	4.00	4.00
Tools	4.00	4.00	4.00
Buildings	4.00	4.00	4.00
Other	4.00	4.00	4.00
Total	4.00	4.00	4.00

* "I have hopes for still further improvement, and I hope to be able to make the last year's progress for good and sound. I am not at all sure, however, that I shall be able to do so."

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582 or contact Chemtrec at 800-424-9300.

Command is a Reg. TM of FMC Corp.
 Gramoxone is a Reg. TM of ICI Americas, Inc.
 Roundup is a Reg. TM of Monsanto Co.
 Specter is a Reg. TM of American Cyanamid Co.
 Sulfur is a Reg. TM of Sulfur Shot and EXTENDED SPLIT SHOT are TMs of
 Bayer AG.
 X-77 is a Reg. TM of Chemagro Corp.

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