PM 25 7969-136 4/30/97 P9 1/20

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 05-31-98

EPA

United States
Environmental Protection Agency
Washington, DC 20460

[ ] Registration
[ ] Amendment
[X] Other

OPP Identifier Number: 247570

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
BASF 7969-136	Phil Errico	[ ] None [X] Restricted
4. Company/Product (Name)	**PM#**	
MARKSMAN Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709-3528
[ ] *Check if this is a new address*

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section - II

[ ] Amendment - Explain below.
[ ] Resubmission in response to Agency letter dated _____
[X] Notification - Explain below.
[ ] Final printed labels in response to Agency letter dated _____
[ ] "Me Too" Application.
[ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Notification of change in address. Stamped approved labeling requested to facilitate state registration.

NOTIFICATION
APR 30 1997

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [X] No	[ ] Yes [X] No	[ ] Yes [X] No	[X] Metal [X] Plastic [ ] Glass [ ] Paper [ ] Other (Specify)
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[X] Label [ ] Container	1, 2.5, 15, 30 Gallon Bulk	[ ] On Label [X] On Labeling accompanying product

6. Manner in Which Label is Affixed to Product: [X] Lithograph [ ] Paper glued [ ] Stenciled [X] Other plastic sleeve

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Jonathan E. Bryant, Ph.D.	Manager, Reg. Affairs	(919) 547-2978

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received (Stamped)
Jon Bryan	Manager, Regulatory Affairs	
4. Typed Name	**5. Date**	
Jonathan E. Bryant, Ph.D.	April 2, 1997	

Restricted Use Pesticide

(Ground and Surface Water Concerns)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.
THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUND AND SURFACE WATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.

MARKSMAN® HERBICIDE
FOR WEED CONTROL IN CORN, GRAIN SORGHUM, and FALLOW SYSTEMS

NOTIFICATION
APR 30 1997

Active Ingredients:

Potassium salt of dicamba (3,6-dichloro-o-anisic acid)*	13.42%
Atrazine**	22.23%
Inert Ingredients:	64.35%
TOTAL	100.00%

*This product contains 11.45% 3,6-dichloro-o-anisic acid (dicamba) which equals 1.1 pounds per gallon (132 g/L) or 0.14 pounds per pint.
**This product contains 22.23% 2-chloro-4-ethylamino-6-isopropyl/amino-s-triazine (atrazine) which equals 2.1 pounds per gallon (252 g/L) or 0.26 pounds per pint.

SHAKE BEFORE USING
KEEP OUT OF REACH OF CHILDREN

CAUTION
See side panel for additional precautionary statements

EPA Reg. No.: 7969-136
Net Contents:

EPA Est. No.:

BASF

BASF Corporation
Research Triangle Park, NC 27709

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. In case of contact, wash skin with soap and water; for eyes, flush with water for 15 minutes and get medical attention.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category section chart.

Applicators and other handlers (other than mixers and loaders) must wear:
- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton
- Chemical-resistant footwear plus socks

Mixers and Loaders must wear:
- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton
- Chemical-resistant footwear plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements:
When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:
Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams, or ponds. This product is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Apply this product only as directed on label.

Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes, and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 ft around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or set-back from runoff points must be planted to crop or seeded with grass or other suitable crop.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of the pesticide application. Unless otherwise directed by registered supplemental labeling, follow the Directions for Use in each crop group section.

Refer to the DIRECTIONS FOR USE booklet attached to this container for proper use directions and additional precautionary statements.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton
- Chemical-resistant footwear plus socks

Before applying MARKSMAN® Herbicide (MARKSMAN), read all directions and precautions appearing on the container label and this booklet. Failure to follow all directions and precautions may result in unsatisfactory weed control, crop injury, or illegal residues.

Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive/protective requirements apply.

GENERAL INFORMATION

MARKSMAN is intended for control and suppression of ANNUAL broadleaf and PERENNIAL broadleaf weeds. MARKSMAN may be applied preplant through early postemergence on field corn, seed corn, popcorn, and silage corn, early postemergence on grain sorghum, and as a Post-Harvest treatment in fallow (wheat/fallow/wheat) and Eco-Fallow (wheat/corn or sorghum/fallow) rotations.

GROUND AND SURFACE WATER ADVISORY

MARKSMAN contains the active ingredient atrazine. Atrazine can leach through soil and has been found to result in contamination of water supplies by way of groundwater. Therefore, growers are advised to avoid use of MARKSMAN in well-drained loamy sand to sand soils, particularly in areas having high groundwater tables. Consult with your state or county extension agent for alternative recommendations such as BANVEL® Herbicide (BANVEL) alone or in combination with a non-triazine herbicide.

Check valves or anti-siphoning devices must be used on all mixing equipment to prevent back-siphoning into wells or bulk storage tanks. See the STORAGE AND DISPOSAL section at the end of this booklet regarding proper disposal of excess pesticide, spray mixtures, and rinsates.

Do not apply this product through any type of irrigation system. Do not contaminate irrigation ditches or water used for domestic purposes.

MIXING AND APPLICATION

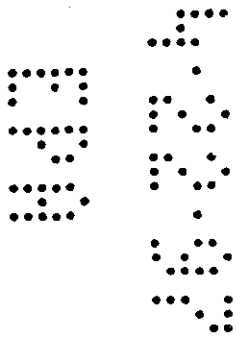
MARKSMAN is a water-dispersible formulation that can be applied in water on corn, sorghum, or fallow. Sprayable fluid fertilizer may be used for preemergence application on corn. Fluid fertilizer may damage corn if applied after corn emergence. If a fluid fertilizer will be used a compatibility test (see COMPATIBILITY TEST) should be made prior to tank mixing.

Ground or aerial application equipment which will give good spray coverage of weed foliage should be used.

Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of MARKSMAN.

Apply 10 to 50 gallons of diluted spray per treated acre when using ground application equipment or 2 to 10 gallons of diluted spray per treated acre when using aerial application equipment. Use the higher spray volumes when treating dense or tall vegetation.

MARKSMAN should not be applied during periods of gusty wind or when wind is in excess of 15 mph as uneven spray coverage may occur.



SENSITIVE CROP PRECAUTIONS

MARKSMAN may cause injury to desirable broadleaf plants or trees when contacting their roots, stems, or foliage. To avoid potential off-target herbicide movement:

Do not apply MARKSMAN in the general vicinity of tobacco, tomatoes, or other highly sensitive plants.

Do not use aerial applications if broadleaf crops are growing in the vicinity of the area to be treated.

Do not make applications when winds are moving toward sensitive crops, inversions are present, or high temperatures (above 85° F) are expected on the day of application.

Use nozzles designed to produce large spray droplets such as Delavan Raindrops, Spraying Systems XR flat fans or large capacity flood nozzles such as Delavan D-10, Spraying Systems TK-10 - or greater capacity. Use spray pressure of 30 psi or less and 10 gpa or more, unless otherwise required by the manufacturer of drift reducing nozzles.

An agriculturally approved drift control agent may be added to further reduce the potential of physical drift at the time of application.

Consult your state and local authorities for possible other application restrictions and advice.

TANK MIXING

To ensure a uniform mixture when MARKSMAN is tank mixed with one or more other products, follow this procedure. Fill the spray tank approximately one-third full with water and with the agitator operating, add the recommended amount of ingredients using the following order: dry formulations (e.g., wettable powders, dry flowables) first, and liquid suspensions (e.g., flowables) next. Mix thoroughly and fill the tank to one-half full with continuous agitation. Add emulsifiable concentrate formulations last while maintaining agitation and then complete filling the spray tank with water. If a surfactant is to be used, add it last. If a drift control agent is to be used, follow the directions for mixing on the specific product label.

BAND TREATMENTS

MARKSMAN may be applied as a band treatment. Use the formulas below to determine the appropriate rate and volume per treated acre.

$\frac{\text{Band width in inches}}{\text{Row width in inches}}$	X	Broadcast RATE per treated acre	=	Band RATE per treated acre
$\frac{\text{Band width in inches}}{\text{Row width in inches}}$	X	Broadcast VOLUME per treated acre	=	Band VOLUME per treated acre

COMPATIBILITY TEST

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

Amount of Component to Add to One Pint of Spray Carrier
(Assuming Volume is 25 Gallons Per Acre)

COMPONENT FORMULATIONS	RATE PER ACRE	LEVEL TEASPOONS
Dry	1 lb	$1^1/_2$
Liquid	1 pt	$^1/_2$

If components do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested spray mix is compatible. Usually incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of an agriculturally approved compatibility agent is recommended. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent ($^1/_4$ teaspoon per pint is equivalent to 2 pints per 100 gallons of fluid fertilizer).

PROCEDURE FOR CLEANING SPRAY EQUIPMENT
Before preparing spray mixture, be sure all equipment is clean to prevent uneven applications, clogged nozzles, or crop injury. Thoroughly clean equipment following applications of MARKSMAN. Avoid allowing dry sediment formation within spray tank.

The steps listed below are suggested for thorough cleaning of spray equipment following applications of MARKSMAN or tank mixes of MARKSMAN.

1. Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Preferably, inside surfaces should be rinsed using a multi-directional nozzle such as Spray Systems Tank Rinsing Nozzle 27500E-TEF®. Flush by operating sprayer until the system is purged of all rinse water.

2. Fill tank with water while adding a commercially available tank cleaning agent such as Nutra-Sol®, Incide-out®, or Loveland Tank and Equipment Cleaner®. Carefully read and follow tank cleaning agent label directions. Operate the pump to circulate the cleaning solution through the sprayer system for 15 to 20 minutes and discharge a small amount through the boom and nozzles. Let the solution stand for several hours, preferably overnight.

3. Completely flush the cleaning solution out of the spray tank.

4. Remove nozzles and screens. Fill tank with clean water and circulate through the sprayer system for 15 to 20 minutes. Discharge a small amount through boom lines.

5. Completely flush rinse water out of the spray tank.

GENERAL WEED LIST

This is a general list of weed species which may be treated with MARKSMAN as recommended under the RATES AND TIMING sections of specific crop uses listed in this label. MARKSMAN, when applied at recommended rates, will control many ANNUAL broadleaf weeds and give growth suppression of many PERENNIAL broadleaf weeds including:

ANNUALS

Buckwheat, Wild
Burcucumber
Chickweed, Common
Clover (Annual)
Cocklebur, Common
Cucumber, Wild
Jimsonweed
Kochia
Kochia (Triazine Resistant)
Kochia (Sulfonylurea Resistant)
Ladysthumb
Lambsquarters, Common
Lambsquarters (Triazine Resistant)
Mallow, Common
Mallow, Venice
Mares Tail (Horseweed)
Morningglory, Ivyleaf
Morningglory, Tall
Mustard, Wild
Mustard (Yellowtops)
Nightshade, Black
Pigweed, Prostrate
Pigweed, Redroot (Carelessweed)
Pigweed, Rough
Pigweed, Smooth
Pigweed (Triazine Resistant)
Pigweed, Tumble
Puncturevine
Purslane, Common
Ragweed, Common (Buffaloweed)
Ragweed, Giant
Ragweed, Lance-Leaved
Sicklepod
Sida, Prickly (Teaweed)
Smartweed, Green
Smartweed, Pennsylvania
Spanishneedles
Spurge, Prostrate
Sunflower, Common (Wild)
Sunflower, Volunteer
Tansymustard
Thistle, Russian
Velvetleaf
Waterhemp

PERENNIALS

Alfalfa
Artichoke, Jerusalem
Bindweed, Field
Bindweed, Hedge
Canada Thistle
Clovers (Perennials)
Dandelion, Common
Dock, Broadleaf (Bitterdock)
Dock, Curly
Dogbane, Hemp
Horsenettle, Carolina
Lespedeza
Milkweed, Common
Ragweed, Western
Smartweed, Swamp
Sowthistle
Trumpet Creeper
Vetch

ROTATIONAL CROPS

1. In cases of treated crop failure, the area may be replanted to either corn or sorghum during the same cropping season. If corn is replanted, do not apply MARKSMAN or BANVEL until after emergence. Consult label of each product for application directions and do not exceed the maximum yearly use rate for MARKSMAN or BANVEL. If sorghum is the replanted crop, *either BANVEL or MARKSMAN can be used as* a postemergence application - follow each label's directions; do not exceed the maximum yearly use rate.

2. If applied after June 10, rotation with crops other than corn or sorghum the following spring, may result in crop injury.

3. In the High Plains and inter-mountain areas of the West, where rainfall is sparse and erratic or where irrigation is required, use only when corn or sorghum is to follow corn or sorghum, or when a crop of untreated corn or sorghum is to precede other rotational crops.

4. For soils containing a calcareous surface layer, such as those found in eastern parts of the Dakotas, KS, western MN, NE, injury may occur to soybeans planted the year following application. On soils containing a calcareous surface layer, small grain injury could occur.

5. Small grains may be planted 10 months following treatment. Do not plant sugarbeets, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legumes and grasses the year following application, or injury may occur.

FIELD, SEED*, POPCORN*, AND SILAGE CORN

Observe all previously noted PRECAUTIONS, MIXING AND APPLICATION instructions as well as the following:

*Do not apply MARKSMAN to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of MARKSMAN on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

MARKSMAN is not registered for use on sweet corn.

Direct contact of MARKSMAN with corn seed must be avoided in preplant or preemergence applications. If corn seeds are less than $1^1/_2$ inches below the soil surface, delay application until corn has emerged.

Corn growing under stress conditions such as low temperatures, drought, poor fertility, excessive moisture, or foliar damage due to hail, wind, or insects, can exhibit various injury symptoms that may be more pronounced if herbicides are applied.

An agricultural approved surfactant, crop oil, or sprayable fluid fertilizer (such as $^1/_2$ to 1 gallon per acre of 28%, 30%, or 32% urea ammonium nitrate), or ammonium sulfate (2 to $2^1/_2$ lb per acre) may be added to spray mix to improve postemergence weed control, particularly on drought stressed weeds.

The use of adjuvants containing penetrants such as petroleum based oils after corn emergence may cause crop injury.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk stage) or later in maturity.

A maximum of two applications of MARKSMAN may be made through the 5 leaf stage or 8 inches tall, whichever occurs first. Applications must be separated by two weeks or more. Do not exceed $5^1/_4$ pints per acre per year (a total of 0.75 pounds dicamba and 1.37 pounds atrazine).

MARKSMAN may be applied before or after BANVEL. Applications must be separated by two weeks or more. Maximum rate for sequential applications is MARKSMAN at $3^1/_2$ pints per acre followed by BANVEL at $^1/_2$ pint or BANVEL at 1 pint per acre followed by MARKSMAN at $1^3/_4$ pints per acre.

To reduce the amount of atrazine used per acre, MARKSMAN at 2 pints per acre may be tank mixed with $^1/_2$ pint per acre of BANVEL. Do not apply this tank mix on coarse textured soils or any soils with less than 2% organic matter prior to corn emergence.

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WEEDS CONTROLLED

MARKSMAN will control many ANNUAL broadleaf weeds or give growth suppression of many PERENNIAL broadleaf weeds commonly found in corn (Refer to the GENERAL WEED LIST section of this booklet.

RATES AND TIMINGS

Preplant and Preemergence In No Tillage Corn

Applications of MARKSMAN may be made before, during, or after planting for control of emerged and actively growing broadleaf weeds. Apply MARKSMAN at the use rate of $3^1/_2$ pints per acre on medium or fine textured soils containing 2% or greater organic matter. Use 2 pints per acre on coarse soils (sand, loamy sand, and sandy loam) or medium and fine textured soils with less than 2% organic matter.

When planting into a legume sod (e.g., alfalfa or clover), apply MARKSMAN after 4 to 6 inches of regrowth has occurred. For added control of dandelion or plantain, 2,4-D at $^1/_4$ to $^1/_2$ lb ai per acre may be tank mixed with MARKSMAN.

Preemergence in Conventional or Reduced Tillage Corn

MARKSMAN may be applied after planting and prior to corn emergence. Application of $3^1/_2$ pints per treated acre may be made to medium or fine textured soils which contain 2% or greater organic matter. DO NOT apply to coarse textured soils (sand, loamy sand, or sandy loam) or any soil with less than 2% organic matter until after corn emergence (see EARLY POSTEMERGENCE uses below).

Preemergence application of MARKSMAN does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrate treated soil over seed furrow, as seed damage could result.

Early Postemergence (All Tillage Systems)

MARKSMAN at $3^1/_2$ pints per treated acre may be applied during the period from corn emergence through the 5 leaf stage or 8 inches tall, whichever occurs first. Reduce the rate to 2 pints per treated acre for corn grown on coarse textured soils (sand, loamy sand, and sandy loam).

Overlay (Sequential) Treatments
MARKSMAN may be applied to ground previously treated with one or more of, but not limited to, the following herbicides registered for use in corn:

Herbicide	Maximum Rate Per Treated Acre (Lb ai)
acetochlor (Surpass®, Harness® Plus)	3.0
alachlor (Lasso®)	4.0
atrazine*	*
butylate (Sutan® +)	6.0
clopyralid	0.188
cyanazine (Bladex®)	4.0
dimethenamid (FRONTIER®)	$1^1/_2$
EPTC (Eradicane®)	6.0
flumetsulam (Broadstrike®)	0.068
glyphosate (Roundup®)	5.0
halosulfuron (Battalion®)	0.094
metolachlor (Dual®)	3.0
paraquat (Gramoxone®)	1.0
pendimethalin (Prowl®)	2.0
propachlor (Ramrod®)	6.0

* Maximum pounds ai per treated acre for atrazine

For all soil applications prior to crop emergence On Highly Erodible Soils (as defined by the SCS)

If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, the maximum rate is 2 pounds ai/A.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.6 pounds ai/A can be applied.

On Soils Not Highly Erodible

The maximum rate which can be applied is 2 pounds ai/A.

For Postemergence Application

If no atrazine was applied prior to corn emergence, the maximum rate is 2 pounds ai/A. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds ai/A per calendar year.

Read and follow the label of each of the above products for precautionary statements, directions for use, and other restrictions.

TANK MIX TREATMENTS

MARKSMAN may be applied prior to, during, or after planting, but before the corn exceeds 8 inches tall. MARKSMAN may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. When tank mixing MARKSMAN with other products, read the label of each tank mix partner for precautionary statements, directions for use, and other restrictions. Also, read the GENERAL INFORMATION TANK MIXING section given earlier in this label.

MARKSMAN plus Accent®
Application may be made after grass weed emergence but before corn is greater than 8 inches tall. Use $^2/_3$ to $1^1/_3$ ounces of Accent® 75 DF per treated acre. Use a non-ionic surfactant at 0.25% v/v and sprayable fluid fertilizer (such as 28%, 30%, or 32% urea ammonium nitrate) at 4% v/v with this tank mixture.

MARKSMAN plus atrazine
Application may be made before corn exceeds 8 inches in height. Consult the maximum poundage of atrazine allowed on page __ for maximum rates. For improved suppression of newly emerged annual grasses, crop oil concentrate may be added to this mixture if corn does not exceed 5 inches in height. Do not apply preemergence to peat, muck, and high organic clay soils.

MARKSMAN plus Bladex (cyanazine)
Application may be made before grasses are $1^1/_2$ inches tall and the corn is not beyond the four-leaf stage. Use $1^1/_4$ to 4 lb ai Bladex per treated acre for preemergence and $1^1/_4$ to 2 lb ai for postemergence treatments. AFTER CORN EMERGENCE, USE ONLY THE BLADEX® 90DF FORMULATIONS.

MARKSMAN plus Dual (metolachlor)
Application may be made until grasses reach the two-leaf stage and before corn is greater than 3 inches tall. Applications prior to crop emergence may only be made on medium to fine textured soils containing $2^1/_2$% or greater organic matter. Use $1^1/_2$ to $2^1/_2$ lb ai Dual per treated acre.

MARKSMAN plus FRONTIER (dimethenamid)
Apply FRONTIER at 13 to 25 fluid ounces per acre for preemergence grass control. Applications can be made during or after planting before corn exceeds 8 inches in height. This treatment must be combined with a herbicide that provides postemergence control of grass weeds if they are greater than 1 inch tall at the time of application.

MARKSMAN plus Gramoxone (paraquat)
Application may be made to emerged weeds, but before corn emerges. Use $^1/_4$ to 1 lb ai Gramoxone per treated acre.

MARKSMAN plus Surpass or Harness Plus (acetochlor)
Apply Harness Plus or Surpass at $1^1/_2$ to 3 pounds ai per acre. Applications may be made during or after planting and before corn emergence. Applications may only be made on medium or fine textured soils containing $2^1/_2$% organic matter or greater.

MARKSMAN plus Lasso (alachlor)
Application may be made until grasses reach the two-leaf stage and before corn is greater than 3 inches tall. Applications prior to crop emergence may only be made to fine textured soils containing $2^1/_2$% or greater organic matter. Apply $2^1/_2$ to 3 lb ai Lasso per treated acre.

MARKSMAN plus Prowl (pendimethalin)
Application may be made after planting and before corn exceeds the two-leaf stage, and grass weeds are no more than one inch tall. Application prior to crop emergence should only be made on medium to fine textured soils containing $2^1/_2$% or more organic matter. Use $^3/_4$ to $1^1/_2$ lb ai Prowl per treated acre.

MARKSMAN plus Roundup (glyphosate)
Application may be made to emerged weeds, but before corn emerges. Use 1 to 3 lb ai Roundup per treated acre.

MARKSMAN plus Stinger® (clopyralid)
For annual broadleaf and Canada thistle weed control, applications may be made anytime after corn emergence through 5 leaf or 8 inch tall corn. Apply when the majority of the thistle plants have emerged and are at least 4 inches in height, but before bud stage. Use MARKSMAN plus $1^1/_2$ to 3 fl oz/A Stinger through 8 inch or 5 leaf corn. Use higher rates listed for stand reduction of larger thistle plants or heavier infestations. Lower rates listed may provide seasonal thistle suppression only .

GRAIN SORGHUM

Observe all previously noted PRECAUTIONS, MIXING AND APPLICATION instructions as well as the following.

Applications of MARKSMAN to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 to 14 days.

On coarse soils, injury to sorghum may occur if heavy rain immediately follows application.

Do not apply to furrow planted sorghum until level (plowed in).

Make no more than one application of MARKSMAN per growing season.

Postemergence application must be made before sorghum reaches 8 inches in height. Delay harvest until 30 days after treatment.

Do not apply MARKSMAN to sorghum grown for seed production.

Sorghum may be harvested or grazed for feed once the crop has reached the mature grain stage.

WEEDS CONTROLLED
MARKSMAN, when applied at the recommended rates and timings for grain sorghum, will control many ANNUAL broadleaf weeds (e.g., pigweed) and will reduce the competition from established PERENNIAL broadleaf weeds as well as control their seedlings. Consult GENERAL WEED LIST for a complete list of weeds controlled.

For best performance, make application when weeds are small (less than 3 inches tall) and actively growing.

RATES AND TIMINGS
MARKSMAN application in grain sorghum (milo) should be made between the 2 to 5 leaf stage (about 2 to 8 inch tall) of the sorghum.

BROADCAST RATE PER TREATED ACRE: (1 1/2 to 2 pints)

Use 1 1/2 pints MARKSMAN for control of redroot pigweed that are less than 3 inches tall and are actively growing. Use 2 pints of MARKSMAN for control of all other listed broadleaf weeds.

Do not add crop oil. Do not add surfactant unless possible crop injury is acceptable.

OVERLAY (SEQUENTIAL) TREATMENTS
MARKSMAN may be applied to ground previously treated with the following herbicides:

Herbicide	Maximum rate of listed compound per treated acre (lb ai)
alachlor (Lasso) (Screen®-treated seed)	4.0
atrazine*	*
metolachlor (Dual) (Concep®-treated seed)	2 1/2
propachlor (Ramrod)	5.0

* Maximum pounds ai per treated acre for atrazine

For all soil applications prior to crop emergence On Highly Erodible Soils (as defined by SCS)

If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, the maximum rate is 2 pounds ai/A.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.6 pounds ai/A can be applied

On Soils Not Highly Erodible

The maximum rate which can be applied is 2 pounds ai/A.

For Postemergence Application

If no atrazine was applied prior to sorghum emergence, the maximum rate is 2 pounds ai/A. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds ai/A per calendar year.

TANK MIX - MARKSMAN plus atrazine
MARKSMAN may be tank mixed with atrazine for added residual or for grass control in sorghum. Read and follow the label of each product used for precautionary statements, directions for use, rates and timings, and other restrictions.

Use tank mix on medium or fine soils only. Add 1/2 lb ai atrazine per treated acre for added residual broadleaf weed control. Add 1 1/2 lb ai atrazine per treated acre for control of emerged grasses less than 1 1/2 inches tall. Do not add crop oil or surfactant to this combination or crop injury may result. Atrazine carryover may injure small grains and broadleaf crops if the total rate of atrazine exceeds the rate recommended for that specific geographic area or crop rotation.

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POST-HARVEST ON FALLOW GROUND

MARKSMAN may be applied from summer to fall after wheat harvest to fallow ground in wheat/fallow/wheat or wheat/corn or sorghum/fallow (Eco-Fallow) rotations. Observe all previously noted PRECAUTIONS, MIXING AND APPLICATION instructions, as well as the following.

Do not graze or feed forage from treated areas to livestock.

Do not plant any crop other than those listed on this label within 18 months following treatment.

Agriculturally approved spray adjuvants such as surfactants, crop oil concentrates, or fluid fertilizers are recommended for use with MARKSMAN when applied to emerged weeds.

For Eco-Fallow systems, plant corn or sorghum in spring after treatment with minimum soil disturbance. Use a surface planter or a planter leaving a shallow furrow. If weeds are present at planting, remove them with a sweep plow or other suitable implement before planting.

WEEDS CONTROLLED

MARKSMAN, when applied at recommended rates and timings for fallow applications, will control many ANNUAL broadleaf weeds and will give growth suppression of many PERENNIAL broadleaf weeds as well as control their seedlings. Refer to the GENERAL WEED LIST in the GENERAL INFORMATION section of this booklet for a complete list of weeds controlled.

ROTATIONAL CROP PRECAUTIONS

The application rates and timings in this label pertain only to a cropping system of WHEAT/FALLOW/WHEAT (Post-Harvest Fallow) or WHEAT/CORN or SORGHUM/FALLOW (Eco-Fallow). If any other crop is to be substituted for wheat, corn, sorghum, or the fallow period, refer to the crop rotation restrictions in the GENERAL INFORMATION section of this label.

To avoid injury to crops planted after application(s) of MARKSMAN, specific restrictions for Post-Harvest fallow or Eco-Fallow application(s) are:

1. Use only on silt loam or finer-textured soils.
2. Do not treat erodible hillsides, calliche, and rocky outcroppings, or exposed calcareous subsoil.
3. Do not treat soils of the Rosebud and Canyon series in Western NE and adjoining counties in CO and WY.
4. Do not treat soils with calcareous surface layers.
5. Avoid overlapping spray swaths during treatment application.

WHEAT/FALLOW/WHEAT

MARKSMAN MAY BE USED FOR WHEAT/FALLOW/WHEAT SYSTEMS IN: CO, KS, NE, OK, SD, TX, and WY.

RATES AND TIMINGS

For preemergence or postemergence control or suppression of the weed species listed in this booklet, apply MARKSMAN at 2 to 3 1/2 pints per treated acre as a broadcast treatment. For best performance, make application soon after wheat harvest, prior to or soon after weed emergence. A split application of MARKSMAN may be used, but only in the summer to fall after wheat harvest and may not exceed the the maximum labeled rate of 3 1/2 pints per treated acre.

WHEAT/CORN OR SORGHUM/FALLOW (ECO-FALLOW)
MARKSMAN MAY BE USED FOR WHEAT/CORN OR SORGHUM/FALLOW (ECO-FALLOW) SYSTEMS IN: CO, KS, NE, OK, and TX.

RATES AND TIMINGS
Preemergence or Postemergence
For control of annual broadleaf or grass weeds following wheat and in to the following corn or sorghum crop (when grown under minimum tillage), apply 2 to 11 pints/A of MARKSMAN after wheat harvest. For best performance, make application within 10 days following wheat harvest. Use the higher rates in the rate range for added grass control and longer residual weed control. A split application of MARKSMAN may be used but only in summer to fall after wheat harvest and may not exceed the maximum labeled rate of 11 pints/A (2.8 pounds atrazine/A).

TANK MIX TREATMENTS: Post-Harvest Fallow and Eco-Fallow
MARKSMAN may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. When tank mixing MARKSMAN with other products, read the label of each tank mix partner for precautionary statements, directions for use, and other restrictions.

MARKSMAN plus BANVEL
BANVEL at 1 pint per treated acre may be tank mixed with MARKSMAN for additional suppression of broadleaf PERENNIAL species that are actively growing at the time of application.

MARKSMAN plus 2,4-D
2,4-D amine or ester at $^1/_8$ to 1 lb ai per treated acre may be tank mixed with MARKSMAN for improved postemergence burndown of ANNUAL or PERENNIAL broadleaf weeds. Burndown activity will particularly be enhanced on weeds growing under drought conditions or weeds that have been "topped" during the harvest operation.

MARKSMAN plus Roundup or Roundup RT®
Roundup at 1 pint per treated acre may be tank mixed with MARKSMAN for added postemergence control of grass or broadleaf weeds.

MARKSMAN plus atrazine
In areas such as Oklahoma and Texas where a higher ratio of atrazine to dicamba is desired, atrazine can be tank mixed with MARKSMAN. Consult the table showing the maximum amount of atrazine that can be applied on page __.

MARKSMAN plus Landmaster® BW or Landmaster® II
Landmaster at 27 to 54 ounces product per treated acre may be tank mixed with MARKSMAN added for postemergence control of grass and broadleaf weeds.

MARKSMAN plus Fallow Master™
Fallow Master at 32 to 44 ounces product per treated acre may be tank mixed with MARKSMAN for added postemergence control of grass and broadleaf weeds.

MARKSMAN Plus Gramoxone or Cyclone®
Gramoxone or Cyclone may be tank mixed with MARKSMAN for additional postemergence control of grass and broadleaf weeds. Refer to Gramoxone or Cyclone label for recommended use rates.

MARKSMAN plus sulfonylureas (Glean®, Ally®, or others)
Apply as a tank mix with MARKSMAN for additional preemergence or postemergence control of broadleaf weeds. Refer to sulfonylurea (Glean, Ally, or others) label for recommended use rates.

MARKSMAN plus Command®
Command at 16 to 32 ounces product per acre may be tank mixed with MARKSMAN for additional preemergence control of grass and broadleaf weeds.

BULK STORAGE AND DISPOSAL: To be printed on labeling for bulk use only

AGITATE BEFORE USE

STORAGE AND DISPOSAL

PROHIBITIONS
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

STORAGE
Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

PESTICIDE DISPOSAL
Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to federal and local procedures under Subtitle C of the Resource Conservation and Recovery Act.

BULK TANK MAINTENANCE
Follow clean-out directions in Dealer Bulk Handling Guide for MARKSMAN listed under Bulk Storage Tank Requirements.

GENERAL
Consult federal, state, or local disposal authorities for approved alternative procedures, such as limited burning.

PESTICIDE STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Store in original container in a well-ventilated area separately from fertilizer, feed, and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state or local procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL

For Plastic Containers: Triple rinse (or equivalent) and add rinsate to spray tank. Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

BASF

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