

(Container Label)

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

Active Ingredients:

Potassium salt of dicamba

(3,6-dichloro-o-anisic acid) 13.42%

Atrazine 22.23%

Inert Ingredients: 64.35%

TOTAL.... 100.0%

*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

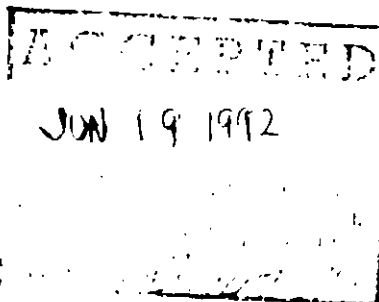
FPA Reg. No. 55947-39

EPA Est. No. 55947-T-1

Net Contents: _____

Sandoz Agro, Inc.

Des Plaines, IL 60018



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.

Users are required to wear long sleeve shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed).

In addition, persons involved in mixing/loading operations are required to use heavy-duty chemical resistant rubber or neoprene gloves and a face shield or goggles.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds. This product is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Run-off 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.

Ground water 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

1 intermittent streams and rivers, natural or impounded lakes and
2 reservoirs. This product may not be applied aerially or by ground
3 within 66 feet of the points where field surface water runoff
4 enters perennial or intermittent streams and rivers or within 200
5 ft. around natural or impounded lakes and reservoirs. If this
6 product is applied to highly erodible land, the 66 foot buffer or
7 set-back from runoff points must be planted to crop or seeded with
8 grass or other suitable crop.

9 DIRECTIONS FOR USE

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

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

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

15 **PESTICIDE STORAGE AND DISPOSAL**

16 Do not contaminate water, food or feed by storage or disposal.

17 Open dumping is prohibited. Store in original container in a well-
18 ventilated area separately from fertilizer, feed and foodstuffs.

19 Avoid cross-contamination with other pesticides. Spillage or
20 leakage should be contained and absorbed with clay granules,
21 sawdust, or equivalent material for disposal.

22 Pesticide, spray mixture or rinsate that cannot be used according
23 to label instructions must be disposed of according to Federal,

1 State or local procedures under Subtitle C of the Resource
2 Conservation and Recovery Act.

3 **CONTAINER DISPOSAL**

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

9 **LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY**

10 NOTICE: Read this Limitation of Warranty and Limitation of
11 Liability before buying or using this product. If the terms are
12 not acceptable, return the product at once, unopened, and the
13 purchase price will be refunded. It is impossible to eliminate all
14 risks inherently associated with the use of this product. Crop
15 injury, ineffectiveness, or other unintended consequences may
16 result because of such factors as weather conditions, presence of
17 other materials, or the manner of use or application, all of which
18 are beyond the control of Sandoz or seller. All such risks shall
19 be assumed by buyer or user. Sandoz warrants that this product
20 conforms to the chemical description on the label and is reasonably
21 fit for the purposes stated in the Directions for Use, under normal
22 use conditions, subject to the risks described above. Sandoz makes
23 no other express or implied warranty of fitness or of

1 merchantability or any other express or implied warranty. In no
2 event shall Sandoz or seller be liable for any incidental,
3 consequential or special damages resulting from the use or handling
4 of this product. The exclusive remedy of the user or buyer, and
5 the exclusive liability of Sandoz or seller for any and all claims,
6 losses, injuries or damages (including claims based on breach of
7 warranty, contract, negligence, tort, strict liability or
8 otherwise) resulting from the use or handling of this product,
9 shall be the return of the purchase price of the product or, at the
10 election of Sandoz or seller, the replacement of the product.
11 Sandoz and seller offer this product, and buyer and user accept it,
12 subject to the foregoing limitations of warranty and limitation of
13 liability, which may not be modified by any oral or written
14 agreement.

15 Proposed Label

16 June 1, 1992

17

Directions for Use Booklet

(front cover of removable booklet)

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

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

E.P.A. Reg. No. 55947-39

This labeling must be in the possession of the user at the time of
the pesticide application.

Marksman is a Registered Trademark of Sandoz Ltd.

ACCEPTED

(Directions for Use Booklet Contents)

MARKSMAN® HERBICIDE

For weed control in corn, grain sorghum and fallow systems.

Active Ingredients:

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

* Equivalent to 11.45% 3,6-dichloro-*o*-anisic acid
(dicamba) which equals 1.1 pounds/gallon, or 0.14
pounds/pint.

** Equivalent to 22.23% 2-chloro-4-ethylamino-6-
isopropyl/amino-*s*-triazine (atrazine) which equals 2.1
pounds/gallon, or 0.26 pounds/pint.

**SHAKE BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

CAUTION

See additional precautionary statements at end of label booklet.

EPA Reg. No. 15947-39
NET CONTENTS: 2 1/2 GALLONS

EPA Est. No. 11773-IA-1
SANDOZ AGRO, INC.

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DIRECTIONS FOR USE

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

Before applying MARKSMAN® HERBICIDE, 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® Herbicide is intended for control and suppression of annual broadleaf and perennial broadleaf weeds. MARKSMAN® Herbicide may be applied preplant through early post-emergence on field corn, seed corn, popcorn and silage corn, early post-emergence on grain sorghum, and as a post-harvest treatment in fallow (wheat/fallow/wheat) and ecofallow (wheat/corn or sorghum/fallow) rotations.

1 Ground and Surface Water Advisory:

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

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

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

18 Mixing and Application:

19 MARKSMAN® Herbicide is a water-dispersible formulation that can be
20 applied in water on corn, sorghum, or fallow. Sprayable fluid
21 fertilizer may be used for preemergence application on corn. Fluid

1 fertilizer may damage corn if applied after corn emergence. If a
2 fluid fertilizer will be used, a compatibility test (see
3 Compatibility Test) should be made prior to tank mixing.

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

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

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

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

15 Sensitive Crop Precautions:

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

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

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

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

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

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

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

17 Tank Mixing:

18 To ensure a uniform mixture when MARKSMAN® Herbicide is tank mixed
19 with one or more other products, follow this procedure: Fill the
20 spray tank approximately one-third full with water and with the

1 agitator operating, add the recommended amount of ingredients using
 2 the following order: dry formulations (e.g. wettable powders, dry
 3 flowables) first, and liquid suspensions (e.g. flowables) next.
 4 Mix thoroughly and fill the tank to one-half full with continuous
 5 agitation. Add Emulsifiable Concentrate formulations last while
 6 maintaining agitation and then complete filling the spray tank with
 7 water. If a surfactant is to be used, add it last. If a drift
 8 control agent is to be used, follow the directions for mixing on
 9 the specific product label.

10 Band Treatments:

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

14	<u>Band width in inches</u>	X	Broadcast RATE	=	Band RATE
15	Row width in inches		per treated acre		per treated acre
16	<u>Band width in inches</u>	X	Broadcast VOLUME	=	Band VOLUME
17	Row width in inches		per treated acre		per treated acre

18 Compatibility Test:

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

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

4	COMPONENT	RATE	LEVEL
5	<u>FORMULATIONS</u>	<u>PER ACRE</u>	<u>TEASPOONS</u>
6	Dry	1 lb.	1 1/2
7	Liquid	1 pt.	1/2

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

12 If components are incompatible, the use of an agriculturally
 13 approved compatibility agent is recommended. Rerun the above
 14 COMPATIBILITY TEST with a suitable compatibility agent (1/4
 15 teaspoon per pint is equivalent to 2 pints per 100 gallons of fluid
 16 fertilizer).

1 Procedure for Cleaning Spray Equipment:

2 Before preparing spray mixture, be sure all equipment is clean to
3 prevent uneven applications, clogged nozzles or crop injury.
4 Thoroughly clean equipment following applications of MARKSMAN®
5 Herbicide. Avoid allowing dry sediment formation within spray
6 tank.

7 The steps listed below are suggested for thorough cleaning of spray
8 equipment following applications of MARKSMAN® Herbicide or tank
9 mixes of MARKSMAN® Herbicide.

- 10 1. Hose down thoroughly the inside as well as outside surfaces
11 of equipment while filling the spray tank half full of
12 water. Preferably, inside surfaces should be rinsed using
13 a multi-directional nozzle such as Spray Systems Tank
14 Rinsing Nozzle 27500E-TEF®. Flush by operating sprayer
15 until the system is purged of all rinse water.
- 16 2. Fill tank with water while adding a commercially available
17 tank cleaning agent such as Nutra-Sol®, Incide-out® or
18 Loveland Tank and Equipment Cleaner®. Carefully read and
19 follow tank cleaning agent label directions. Operate the
20 pump to circulate the cleaning solution through the sprayer
21 system for 15 to 20 minutes and discharge a small amount
22 through the boom and nozzles. Let the solution stand for
23 several hours, preferably overnight.

- 1 3. Completely flush the cleaning solution out of the spray
- 2 tank.
- 3 4. Remove nozzles and screens. Fill tank with clean water and
- 4 circulate through the sprayer system for 15 to 20 minutes.
- 5 Disch ~~se~~ a small amount through boom lines.
- 6 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® Herbicide as recommended under the rates and timing sections of specific crop uses listed in this label. MARKSMAN® Herbicide, when applied at recommended rates, will control many ANNUAL broadleaf weeds and give growth suppression of many PERENNIAL broadleaf weeds including:

Annuals

Buckwheat, Wild	Morningglory, Tall
Burcucumber	Mustard, Wild
Chickweed, Common	Mustard, (Yellowtops)
Clover, (Annual)	Nightshade, Black
Cocklebur, Common	Pigweed, Prostrate
Cucumber, Wild	Pigweed, Redroot
Jimsonweed	(Carelessweed)
Kochia	Pigweed, Rough
Kochia (Triazine Resistant)	Pigweed, Smooth
Kochia (Sulfonylurea Resistant)	Pigweed (Triazine Resistant)
Ladysthumb	Pigweed, Tumble
Lambsquarters, Common	Puncturevine
Lambsquarters,	Purslane, Common
(Triazine Resistant)	Ragweed, Common (Buffaloweed)
Mallow, Common	Ragweed, Giant
Mallow, Venice	Ragweed, Lance-Leaved
Morningglory, Ivyleaf	Sicklepod

1	Sida, Prickly (Teaweed)	Sunflower, Common (Wild)
2	Smartweed, green	Sunflower, Volunteer
3	Smartweed, Pennsylvania	Tansymustard
4	Spanishneedles	Thistle, Russian
5	Spurge, Prostrate	Velvetleaf

6 Perennials

7	Alfalfa	Dogbane, Hemp
8	Artichoke, Jerusalem	Horsenettle, Carolina
9	Bindweed, Field	Lespedeza
10	Bindweed, Hedge	Milkweed, Common
11	Canada thistle	Ragweed, Western
12	Clovers, (Perennials)	Smartweed, Swamp
13	Dandelion, Common	Sowthistle
14	Dock, Broadleaf (Bitterdock)	Vetch
15	Dock, Curly	

16 ROTATIONAL CROPS

17 To avoid potential injury to rotational crops, use the following
 18 guidelines:

- 19 1) In cases of treated crop failure the area may be replanted to
 20 either corn or sorghum during the same cropping season. If
 21 corn is replanted, do not apply MARKSMAN® or BANVEL® until

1 after emergence. Consult label of each product for
2 application directions and do not exceed the maximum yearly
3 use rate for MARKSMAN or BANVEL. If sorghum is the replanted
4 crop either BANVEL or MARKSMAN can be used as a postemergence
5 application - follow each label's directions; do not exceed
6 the maximum yearly use rate.

7 2) If applied after June 10th, do not rotate with crops other
8 than corn or sorghum the following spring.

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

14 4) Plant only corn, sorghum, soybeans or peanuts the year
15 following treatment. For soils containing a calcareous
16 surface layer, such as those found in eastern parts of the
17 Dakotas, KS, western MN, NE, injury may occur to soybeans
18 planted the year following application.

19 5) Small grains may be planted 10 months following treatment.
20 All other crops not previously designated to follow a treated
21 corn crop may be planted 18 months after application. On
22 soils containing a calcareous surface layer, small grain
23 injury could 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® Herbicide to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of MARKSMAN® Herbicide on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

MARKSMAN® Herbicide is not registered for use on sweet corn.

Direct contact of MARKSMAN® Herbicide 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.

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

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

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

9 A maximum of two applications of MARKSMAN Herbicide may be made
10 through the 5 leaf stage or 8 inches tall, whichever occurs first.
11 Application must be separated by two weeks or more. Do not exceed
12 5 1/4 pints per acre per year (a total of 0.75 pounds dicamba and
13 1.37 pounds atrazine).

14 MARKSMAN Herbicide may be applied before or after BANVEL Herbicide.
15 Applications must be separated by two weeks or more. Maximum rate
16 for sequential applications is Marksman at 3 1/2 pints per acre
17 followed by Banvel at 1/2 pint or Banvel at 1 pint per acre
18 followed by Marksman at 1 3/4 pints per acre.

19 To reduce the amount of atrazine used per acre, MARKSMAN Herbicide
20 at 2 pints per acre may be tank mixed with 1/2 pint per acre of

1 BANVEL Herbicide. Do not apply this tank mix on coarse textured
2 soils or any soils with less than 2% organic matter prior to corn
3 emergence.

4 Weeds Controlled

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

1 Rates and Timings:

2 - Preplant and Preemergence In No Tillage Corn

3 Applications of MARKSMAN® Herbicide may be made before, during, or
4 after planting for control of emerged and actively growing
5 broadleaf weeds. Apply MARKSMAN® Herbicide at the use rate of 3
6 1/2 pints per acre on medium or fine textured soils containing 2.0%
7 or greater organic matter. Use 2 pints per acre on coarse soils
8 (sand, sandy loam, and loamy sand) or medium and fine textured
9 soils with less than 2% organic matter.

10 When planting into a legume sod (e.g. alfalfa or clover), apply
11 MARKSMAN® Herbicide after 4-6 inches of regrowth has occurred. For
12 added control of dandelion or plantain, 2,4-D at 1/4 to 1/2 lbs.
13 a.i. per acre may be tankmixed with MARKSMAN® Herbicide.

14 - Preemergence in Conventional Or Reduced Tillage Corn

15 MARKSMAN® Herbicide may be applied after planting and prior to corn
16 emergence. Application of 3 1/2 pints per treated acre may be made
17 to medium or fine textured soils which contain 2% or greater
18 organic matter. DO NOT apply to coarse textured soils (sand, loamy
19 sand or sandy loam) or any soil with less than 2% organic matter
20 until after corn emergence (see Early Postemergence uses below).
21 Preemergence application of MARKSMAN® Herbicide does not require

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

6 **Early Postemergence**

7 **(All Tillage Systems)**

8 MARKSMAN® Herbicide at 3 1/2 pints per treated acre may be applied
9 during the period from corn emergence through the 5 leaf stage or
10 8 inches tall, whichever occurs first. Reduce the rate to 2.0
11 pints per treated acre for corn grown on coarse textured soils
12 (sand, sandy loam, and loamy sand).

1 **Overlay**

2 **(Sequential Treatments)**

3 MARKSMAN® Herbicide may be applied to ground previously treated
4 with one or more of the following herbicides:

Herbicide	Maximum Rate Per Treated Acre (Lbs. a.i.)
Alachlor (Lasso®)	4
Atrazine*	*
Butylate (Sutan®)	6
Cyanazine (Bladex®)	4
EPTC (Eradicane®)	6
Glyphosate (Roundup®)	5
Metolachlor (Dual®)	3
Paraquat (Gramoxone®)	1
Pendimethalin (Prowl®)	2
Propachlor (Ramrod®)	6

21 * Maximum Pounds a.i. Per Treated Acre for Atrazine

22 For all soil applications prior to crop emergence

23 On Highly Erodible Soils (as defined by SCS)

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

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

29 On Soils Not Highly Erodible

30 The maximum rate which can be applied is 2 pounds a.i./A.

1 For Postemergence Application

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

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

9 Tank Mix Treatments

10 MARKSMAN® Herbicide may be applied prior to, during, or after
11 planting, but before the corn exceeds 8 inches tall. MARKSMAN®
12 Herbicide may be tank mixed with one or more of the following
13 herbicides for control of grasses or additional broadleaf weeds.
14 When tank mixing MARKSMAN® Herbicide with other products, read the
15 label of each tank mix partner for precautionary statements,
16 directions for use and other restrictions. Also, read the General
17 Information Tank Mixing section given earlier in this label.

1 **MARKSMAN® Herbicide Plus Bladex® (cyanazine)**

2 Application may be made before grasses are 1 1/2 inches tall and
3 the corn is not beyond the four leaf stage. Use 1 1/4 - 4 lbs.
4 a.i. Bladex per treated acre for preemergence and 1 1/4 - 2 lbs.
5 a.i. for postemergence treatments. AFTER CORN EMERGENCE, USE ONLY
6 THE BLADEX 90DF FORMULATIONS.

7 **MARKSMAN® Herbicide Plus Dual® (metolachlor)**

8 Application may be made until grasses reach the two-leaf stage and
9 before corn is greater than 3 inches tall. Applications prior to
10 crop emergence may only be made on medium to fine textured soils
11 containing 2 1/2% or greater organic matter. Use 1 1/2 - 2 1/2
12 lbs. a.i. Dual per treated acre.

13 **MARKSMAN® Herbicide Plus Lasso® (alachlor)**

14 Application may be made until grasses reach the two-leaf stage and
15 before corn is greater than 3 inches tall. Applications prior to
16 crop emergence may only be made to fine textured soils containing
17 2 1/2% or greater organic matter. Apply 2 1/2 - 3 lbs. a.i. Lasso
18 per treated acre.

1 **MARKSMAN® Herbicide Plus Gramoxone® (paraquat)**

2 Application may be made to emerged weeds, but before corn emerges.

3 Use $\frac{1}{4}$ - 1 lb. a.i. Gramoxone per treated acre.

4 **MARKSMAN® Herbicide Plus Prowl® (pendimethalin)**

5 Application may be made after planting and before corn exceeds the
6 two-leaf stage, and grass weeds are no more than one inch tall.

7 Application prior to crop emergence should only be made on medium
8 to fine textured soils containing 2 1/2% or more organic matter.

9 Use $\frac{3}{4}$ to 1 1/2 lb a.i. Prowl per treated acre.

10 **MARKSMAN® Herbicide Plus Roundup® (glyphosate)**

11 Application may be made to emerged weeds, but before corn emerges.

12 Use 1 - 3 lbs. a.i. Roundup per treated acre.

13 **MARKSMAN® Herbicide Plus Atrazine**

14 Application may be made before corn exceeds 8 inches in height.

15 Consult the maximum poundage of atrazine allowed on page ____ for

16 maximum rates. For improved suppression of newly emerged annual

17 grasses, crop oil concentrate may be added to this mixture if corn

18 does not exceed 5 inches in height. Do not apply preemergence to

19 peat, muck and high organic clay soils.

MARKSMAN® Herbicide 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 with this tank mixture.

GRAIN SORGHUM

Observe all previous noted precautions, mixing and application instructions as well as the following:

Applications of MARKSMAN® Herbicide to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10-14 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® Herbicide per growing season.

Postemergence application must be made before sorghum reaches 8 inches in height.

1 Delay harvest until 30 days after treatment.

2 Do not apply MARKSMAN® Herbicide to sorghum grown for seed
3 production.

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

6 WEEDS CONTROLLED

7 MARKSMAN® Herbicide, when applied at the recommended rates and
8 timings for grain sorghum, will control many ANNUAL broadleaf weeds
9 (e.g. pigweed) and will reduce the competition from established
10 PERENNIAL broadleaf weeds as well as control their seedlings.
11 Consult General Weed List for a complete list of weeds controlled.

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

14 Rates and Timings

15 MARKSMAN® Herbicide application in grain sorghum (milo) should be
16 made between the 2-5 leaf stage (about 2-8 inch tall) of the
17 sorghum.

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

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

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

7 Overlay (Sequential) Treatments

8 MARKSMAN® Herbicide may be applied to ground previously treated
 9 with the following herbicides:

10	Maximum rate of listed compound	
11	<u>Herbicide</u>	<u>per treated acre (lbs a.i.)</u>
12	Alachlor (Lasso®)	4
13	(Screen®-treated seed)	
14	Atrazine*	*
15	Metolachlor (Dual®)	2 1/2
16	(Concep®-treated seed)	
17	Propachlor (Ramrod®)	5

18

19 * Maximum Pounds a.i. Per Treated Acre for Atrazine

20 For all soil applications prior to crop emergence

21 On Highly Erodible Soils (as defined by SCS)

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

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

3 On Soils Not Highly Erodible

4 The maximum rate which can be applied is 2 pounds a.i./A.

5 For Postemergence Application

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

10 **Tank Mix MARKSMAN® Herbicide Plus Atrazine**

11 MARKSMAN® Herbicide may be tank mixed with atrazine for added
12 residual or for grass control in sorghum. Read and follow the
13 label of each product used for precautionary statements, directions
14 for use, rates and timings, and other restrictions.

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

POST-HARVEST ON FALLOW GROUND

MARKSMAN® Herbicide 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® Herbicide when applied to emerged weeds.

For Eco-Fallow system, 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.

1 Weeds Controlled

2 MARKSMAN® Herbicide, when applied at recommended rates and timings
3 for fallow applications, will control many ANNUAL broadleaf weeds
4 and will give growth suppression of many PERENNIAL broadleaf weeds
5 as well as control their seedlings. Refer to the General Weed List
6 in the General Information Section of this booklet for a complete
7 list of weeds controlled.

8 Rotational Crop Precautions

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

15 To avoid injury to crops planted after application(s) of Marksman®
16 Herbicide, specific restrictions for post harvest fallow or eco-
17 fallow application(s) are:

- 18 1) Use only on silt loam or finer-textured soils.
- 19 2) Do not treat erodible hillsides, caliche, and rocky
20 outcroppings, or exposed calcareous subsoil.
- 21 3) Do not treat soils of the Rosebud and Canyon series in Western

1 NE and adjoining counties in CO and WY.

2 4) Do not treat soils with calcareous surface layers.

3 5) Avoid overlapping spray swaths during treatment application.

4 **Wheat/Fallow/Wheat**

5 MARKSMAN® Herbicide MAY BE USED FOR WHEAT/FALLOW/WHEAT SYSTEMS IN:

6 CO, KS, NE, OK, SD, TX, & WY

7 **Rates and Timings:**

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

16 **Wheat/Corn or Sorghum/Fallow (Eco-Fallow)**

17 MARKSMAN® Herbicide MAY BE USED FOR WHEAT/CORN OR SORGHUM/FALLOW

18 (ECO-FALLOW) SYSTEMS IN: CO, KS, NE, OK & TX

1 Rates and Timings**2 Preemergence or Postemergence**

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

12 TANK MIX TREATMENTS: Post Harvest Fallow and Eco-Fallow

13 MARKSMAN® Herbicide may be tank mixed with one or more of the
14 following herbicides for control of grasses or additional broadleaf
15 weeds. When tankmixing MARKSMAN® Herbicide with other products,
16 read the label of each tank mix partner for precautionary
17 statements, directions for use and other restrictions.

18 MARKSMAN® Herbicide Plus Banvel®

19 BANVEL Herbicide at 1 pint per treated acre may be tankmixed with
20 MARKSMAN® Herbicide for additional suppression of broadleaf
21 perennial species that are actively growing at the time of
22 application.

1 **MARKSMAN® Herbicide plus 2,4-D**

2 2,4-D amine or ester at 1/8 to 1 lb. a.i. per treated acre may be
3 tankmixed with MARKSMAN® Herbicide for improved postemergence
4 burndown of annual or perennial broadleaf weeds. Burndown activity
5 will particularly be enhanced on weeds growing under drought
6 conditions or weeds that have been "topped" during the harvest
7 operation.

8 **MARKSMAN® Herbicide plus Roundup® or Roundup RT®**

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

12 **MARKSMAN® Herbicide plus Atrazine**

13 In areas such as Oklahoma and Texas where a higher ratio of
14 atrazine to dicamba is desired, atrazine can be tankmixed with
15 MARKSMAN® Herbicide. Consult the table showing the maximum amount
16 of atrazine that can be applied on page _____.

17 **MARKSMAN® Herbicide plus Landmaster BW® or Landmaster II®**

18 Landmaster at 27 to 54 ounces product per treated acre may be tank

1 mixed with MARKSMAN® Herbicide added for postemergence control of
2 grass and broadleaf weeds.

3 **MARKSMAN® Herbicide plus Fallow Master®**

4 Fallowmaster at 32 to 44 ounces product per treated acre may be
5 tank mixed with MARKSMAN® Herbicide for added postemergence control
6 of grass and broadleaf weeds.

7 **MARKSMAN® Herbicide Plus Gramoxone® or Cyclone®**

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

11 **MARKSMAN® Herbicide plus Sulfonylureas (Glean®, Ally® or others)**

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

16 **MARKSMAN® Herbicide plus Command®**

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

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.

Users are required to wear long sleeve shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use heavy-duty chemical resistant rubber or neoprene gloves and a face shield or goggles.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams or ponds. This pesticide is toxic to aquatic invertebrates. Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Run-off and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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.

1 This product may not be mixed or loaded within 50 feet of
2 intermittent streams and rivers, natural or impounded lakes and
3 reservoirs. This product may not be applied aerially or by ground
4 within 66 feet of the points where field surface water runoff
5 enters perennial or intermittent streams and rivers or within 200
6 ft. around natural or impounded lakes and reservoirs. If this
7 product is applied to highly erodible land, the 66 foot buffer or
8 set-back from runoff points must be planted to crop or seeded with
9 grass or other suitable crop.

10 PESTICIDE STORAGE AND DISPOSAL

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

21 CONTAINER DISPOSAL

22 For Plastic Containers: Triple rinse (or equivalent) and add
23 rinsate to spray tank. Offer for recycling or reconditioning or
24 puncture and dispose of in a sanitary landfill, or by incineration,

1 or if allowed by State and local authorities, by burning. If
2 burned, stay out of smoke.

3 **LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY**

4 NOTICE: Read this Limitation of Warranty and Limitation of
5 Liability before buying or using this product. If the terms are
6 not acceptable, return the product at once, unopened, and the
7 purchase price will be refunded. It is impossible to eliminate all
8 risks inherently associated with the use of this product. Crop
9 injury, ineffectiveness, or other unintended consequences may
10 result because of such factors as weather conditions, presence of
11 other materials, or the manner of use or application, all of which
12 are beyond the control of Sandoz or seller. All such risks shall
13 be assumed by buyer or user. Sandoz warrants that this product
14 conforms to the chemical description on the label and is reasonably
15 fit for the purposes stated in the Directions for Use, under normal
16 use conditions, subject to the risks described above. Sandoz makes
17 no other express or implied warranty of fitness or of
18 merchantability or any other express or implied warranty. In no
19 event shall Sandoz or seller be liable for any incidental,
20 consequential or special damages resulting from the use or handling
21 of this product. The exclusive remedy of the user or buyer, and
22 the exclusive liability of Sandoz or seller for any and all claims,
23 losses, injuries or damages (including claims based on breach of
24 warranty, contract, negligence, tort, strict liability or

otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of Sandoz or seller, the replacement of the product. Sandoz and seller offer this product, and buyer and user accept it, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.

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1 Gramoxone® and Cyclone® are registered trademarks of ICI
2 Agrichemicals, Inc.

3 Loveland Tank and Equipment Cleaner is a product of Loveland
4 Industries.

5 Nozzle 27500E-TEF is a product of Spray Systems Inc.

6 Nutra-sol® is a registered trademark of Cornbelt Chemical Co.

7 Incide-out® is a product of Precision Laboratories, Inc.

8 Prowl® is a registered trademark of American Cyanamid Company.

9 MARKSMAN® Herbicide and BANVEL® Herbicide are registered trademarks
10 of SANDOZ LTD.

11 Proposed Label

12 June 1, 1992