



United States
Environmental Protection Agency
Washington, DC 20460

Registration
Amendment
 Other

OPP Identifier Number
266263

Application for Pesticide - Section I

1. Company/Product Number 10182-199	2. EPA Product Manager Mr. J. Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product Name EPTAM® 20 G Selective Herbicide	PMF 25	
5. Name and Address of Applicant (Include ZIP Code) ZENECA AG PRODUCTS PO BOX 15458 WILMINGTON, DE 19850-5458	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 _____	
<input type="checkbox"/> Check if this is a new address		

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION APR 30 1998
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
**MINOR REVISION IN REGIONAL Use MAP (REDEFINE BOUNDARY WESTERN/PNW BOUNDARY)
REVISES "PESTICIDE DISPOSAL" STATEMENT TO REFLECT NON-PCRA
REGULATED WASTE**

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> 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 <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Wayne R. Hillebrecht	Title Regulatory Product Manager	Telephone No. (Include Area Code) 302-886-1230
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.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Product Manager	
4. Typed Name Wayne R. Hillebrecht	5. Date 4/22/98	

Best Available Image

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ZENECA Ag Products

NOTIFICATION

APR 30 1998

EPTAM[®] 20-G

Granules—A Selective Herbicide

ACTIVE INGREDIENT:

S-ethyl dipropylthiocarbamate 20.0%

INERT INGREDIENTS: 80.0%

Total 100.0%

Contains 20 pounds active ingredient per 100 pounds.

EPA Reg. No. 10182-199

EPA Est. No. 10182-NB-1

KEEP OUT OF
REACH OF CHILDREN

CAUTION



See Back Panel for Statement
of Practical Treatment and
Precautionary Statements

Net Contents: 50 lb (22.7 kg)

04005243
049803

EPTAM® 20-G

IMPORTANT
RECALIBRATE YOUR EQUIPMENT FOR THIS PRODUCT BEFORE USING.

FIRST AID
Immediately start the procedures given below. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.
IF SWALLOWED: Immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give such oral vomitus a clear if victim is unconscious or convulsing. Do not induce vomiting or give anything by mouth.
IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyes apart during flushing to ensure rinsing of the entire surface of the eyes and lids with water. Get medical attention immediately.
IF ON SKIN: Flush affected areas with plenty of water for several minutes.
IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-A-I-D (337-8333).
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC, 1-800-424-9300.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Avoid contamination of feed and food.
Personal Protective Equipment: Applicators and other handlers must wear:
• Long-sleeved shirt and long pants
• Waterproof gloves
• Shoes plus socks
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.
When handlers use closed containers or equipment that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-8)), 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
Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, reflectance or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label directions or under abnormal conditions not reasonably foreseeable to ZENECA or Seller. All such risks shall be assumed by Buyer and User. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, PURPOSES OR USES UNLESS OTHERWISE SPECIFIED HEREON EXCEPT AS STATED ABOVE. In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, DAMAGES, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF 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 ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT. ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and liability. These terms may be modified except by written agreement signed by a duly authorized representative of ZENECA. This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product to any area 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. The 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 intervals. 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 12 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
• Waterproof gloves
• Shoes plus socks

STORAGE AND DISPOSAL
PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.
STORAGE: Keep container closed when not in use. Store in a cool, dry place. Do not store near seeds, fertilizers or foodstuffs.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Completely empty bag into application equipment then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

EPTAM® 20-G granules are a selective herbicide which is most (recommended) into the soil for control of weeds listed on this label. EPTAM 20-G controls weeds as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds.

GENERAL USE PRECAUTIONS
READ ALL LABEL DIRECTIONS BEFORE USING.
EPTAM 20-G should be used only for recommended purposes and at recommended rates. (DO NOT OVERDOSE). Recalibrate your application equipment for the product before using.

Applied according to directions and under normal growing conditions, EPTAM 20-G will not harm the treated crop. However, during germination and early growth, extended periods of unusually cold and wet or hot and dry weather, insect, nematode, or plant disease attack, narrower pesticide residues, the use of certain soil applied systemic insecticides, highly saline or alkaline soil conditions, improperly placed fertilizers or soil insecticides may cause abnormal conditions that weaken crop seedlings. Used under these abnormal conditions, EPTAM 20-G could result in crop injury.
Use equipment which has proven to incorporate thoroughly to the recommended depth.
Do not contaminate water to be used on susceptible crops or for domestic purposes.
EPTAM 20-G is recommended for use on mineral soils only.
When applied according to directions and under conditions for normal crop growth, no harmful residues should remain beyond harvest.
Do not apply prior to preirrigation.
Keep container closed when not in use. Do not store near seeds or fertilizers.

APPLICATION DIRECTIONS
Apply only to well-worked soil that is dry enough to permit thorough mixing with incorporation equipment. Uniformly apply the recommended rate using equipment designed for application of granular herbicides. Equipment should be carefully calibrated before use and checked frequently during application to be sure it is working properly and delivering a uniform distribution pattern. Avoid overage. This will increase EPTAM 20-G dosage above recommended rates as plants injury may occur.
INCORPORATION DIRECTIONS
EPTAM 20-G must be incorporated into the soil immediately to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation.
Soil tillage (Preirrigation) Before Planting: Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches or tandem disc set to cut to a depth of 4 to 8 inches, operated at 4 to 6 mph, followed by a spin-till or similar soil leveling device which extends beyond the ends of the disc. For more thorough mixing (for perennial grasses and in heavier soils) disc in two different directions (cross disc).
Incorporate As Dr After Planting: Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches or spin-till or similar soil leveling device (not a roller) set to cut to a depth of 1 1/2 inches and operated at 6 to 8 mph. When using ground-driven tillers, preirrigate if soil is crusted. When incorporating after planting, care must be taken not to disturb the crop seedling.
Irrigation: EPTAM 20-G can be incorporated with irrigation water. Incorporate immediately using flood or sprinkler irrigation systems. Apply enough water to wet soil to minimum of 2-4 inch depth.

PLANTING DIRECTIONS
For preplant applications, seeding should be done as soon as possible after treatment to obtain a maximum period of weed control.
CULTURAL PRACTICES FOLLOWING APPLICATION
EPTAM 20-G is not persistent in the soil and susceptible weeds germinating later during the growing season may not be controlled. Shallow cultivation may be necessary to control these susceptible weeds that escape by EPTAM 20-G as well as those weeds not susceptible to EPTAM 20-G. Do not cultivate deeper than the depth of the herbicide incorporation.

WEEDS CONTROLLED
EPTAM 20-G will not control established weeds.
ANNUAL GRASSES:
Annual Ryegrass (Italian Ryegrass)
Annual Ryegrass (Italian Ryegrass)
(Lolium multiflorum)
Barnyardgrass (Echinochloa crusgalli)
(Echinochloa spp.)
Crabgrass (Digitaria spp.)
Fawn Scurfgrass (Cenchrus pectinatus)
Giant Foxtail (Setaria faberii)
Goosegrass (Elymus indica)
Hairy Woodgrass (Lolium canaliculatum)
Black Nightshade (Solanum nigrum)
Common Chickweed (Stellaria media)
Common Lambsquarters (Chenopodium album)
Corn Spurry (Spergularia arvensis)
Dandelion (Taraxacum officinale)
Florida Pusley (Richardia scabra)
Hairy Nightshade (Solanum elaeagnifolium)
The annual broadleaf weeds listed above will be controlled only if treatment is made when conditions are favorable for weed germination and growth.

PERENNIAL WEEDS:
Bermudagrass (Cyperus dactyloides)
Purple Nutsedge (Cyperus rotundus)
Quackgrass (Cochlearia, Widgeon) (Agropyron repens)
Yellow Nutsedge (Cyperus esculentus)
Perennial weeds must be turned under and chopped up thoroughly prior to treatment. The underground rhizomes of quackgrass and the rhizomes and stolons of bermudagrass must be cut up thoroughly so that four or less nodes remain on a strand. For the control of quackgrass and bermudagrass, the disc must be set to cut 8 inches deep and the higher rates of EPTAM 20-G must be used. Consult RECOMMENDATIONS for crops on which the higher rates may be used.

RECOMMENDATIONS
These recommendations are given as broadcast (overall) rates of EPTAM 20-G per acre. For band treatment, use proportionately less material per acre depending on the width of band to be treated and the crop row spacing. Do not apply EPTAM 20-G on rocky ground because thorough incorporation is not possible. **IMPORTANT:** The following recommendations are national or regional. National recommendations are for all states. Regional recommendations are limited to the regions specified. Refer to the regional map below to determine your EPTAM 20-G region.



ALFALFA, BIRD'S FOOT TROPOCAL, CLOVER, LESPEDEZA—NEW SEEDINGS
Tenderness will occur if conditions for germination and crop growth are not good. Do not use EPTAM 20-G if a grass or grain nurse crop is to be planted with the alfalfa.
National:
For control of annual grasses, broadleaf weeds, and nutsedge, apply and incorporate 15 pounds of EPTAM 20-G per acre just before planting.
Northern, Pacific Northwest, and Western Regions Only:
Apply 20 pounds EPTAM 20-G per acre for quackgrass suppression and for control of nutsedge, annual broadleaf weeds and annual grasses in medium and fine textured soils.
Do not exceed 15 pounds EPTAM 20-G per acre in coarse textured soils.

ALFALFA—ESTABLISHED (WESTERN REGION—EXCEPT NEVADA)
Forage: Ground or Aerial
For control of annual weeds and suppression of perennial weeds, apply 10 to 15 pounds EPTAM 20-G per acre to established alfalfa and incorporate with irrigation. Do not exceed 15 pounds per acre. EPTAM 20-G in any single application or 60 pounds EPTAM 20-G per acre per year. Make a maximum of one (1) application per cutting. Do not exceed alfalfa forage within 14 days of application.
Seed: Ground or Aerial
For control of annual weeds and suppression of perennial weeds, apply 10 to 15 pounds EPTAM 20-G per acre to established alfalfa and incorporate with irrigation. Do not exceed 15 pounds per acre. EPTAM 20-G in any single application or 60 pounds EPTAM 20-G per acre per year. Make a maximum of one (1) application per cutting or per 30-day interval. Do not apply within 14 days of harvest.
Apply EPTAM 20-G to areas that will be used for properly calibrated ground or aerial application equipment. Apply to dry soil free from chemical law and moisture.
Incorporate immediately after application using flood or sprinkler irrigation systems. Apply enough water to wet the soil to a minimum of 2-4 inch depth.

BEANS, GREEN BEAN OR DRY
EPTAM 20-G on cowpeas (blackeye peas, blackeye beans), soybeans, adzuki beans, lima beans, or other field beans (except romano). Under abnormal weather conditions, stunting may occur on dry, mobile, sandy and heavy soils. Do not exceed the 15 pounds per acre rate on small white beans, or on green beans grown on coarse textured soils.
Apply and incorporate EPTAM 20-G just before planting, immediately after planting, or at the time of last irrigation. If applied before planting, rotary hoe tilling or shortly after emergence of the beans to break any crust which may have formed. The time of last cultivation, apply to the soil before a crust has formed, and do not level or cultivate beans to harvest within 45 days after application.
National:
Use 15 pounds EPTAM 20-G per acre for nutsedge, annual grass and broadleaf weed control.
Northern and Pacific Northwest Regions Only:
Use 20 pounds of EPTAM 20-G per acre for quackgrass suppression and for control of leading johnsongrass, nutsedge, annual broadleaf weeds, and annual grasses in medium and fine textured soils.
Past Application Only (Dry Beans—Minnesota, North Dakota Only):
Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22 pounds per acre on medium and fine textured soils.

CITRUS, NURSERY STOCK AND YOUNG FIELD PLANTINGS (INCLUDING ORANGE AND GRAPE-FRUIT GROVES)
National:
After firing out, apply 15 to 30 pounds of EPTAM 20-G per acre to the soil and incorporate with cultivation equipment such as a tree box or rotary hoe.

CONIFER NURSERY STOCK (TWO-YEAR OLD LIVING OUT STOCK OF AUSTRIAN PINE, EASTERN HEMLOCK, NORWAY PINE, RED PINE, SCOTCH PINE, WHITE PINE)
National:
Apply and incorporate 15 pounds of EPTAM 20-G per acre just before planting, or over well established plants. For control of quackgrass, heavy infestations of nutsedge, and annual broadleaf weeds, apply and incorporate 30 pounds of EPTAM 20-G per acre.

POTATOES, RISH
Preplant: Southwest, Southeast, and Western Regions Only.
Apply and incorporate 15 pounds EPTAM 20-G per acre.
Northern and Pacific Northwest Regions Only:
For annual grasses and broadleaf weeds, use 15 to 30 pounds EPTAM 20-G per acre. For quackgrass suppression for control and control of nutsedge, annual broadleaf weeds, and annual grasses in fine textured soils, use 20 to 30 pounds per acre.

DR
Drag-Off (Come Up, Weeding Time):
The field must first be drag-off, followed by EPTAM 20-G application and incorporation. Use spin-till, herbicide or cultivation equipment for incorporation.
National:
For annual grasses and broadleaf weeds, use 15 pounds of EPTAM 20-G per acre.
Northern and Pacific Northwest Regions Only:
For control of nutsedge, annual grasses and broadleaf weeds in medium and fine textured soils, use 20 to 30 pounds EPTAM 20-G per acre.

Apply after a clean cultivation. Apply when vines are dry and use cloth drag to break granules of plant. Do not apply within 45 days of harvest.
Southwest, Southeast, and Western Regions Only:
Apply and incorporate 15 pounds EPTAM 20-G per acre.
Northern and Pacific Northwest Regions Only:
Apply to the soil and incorporate 15 to 20 pounds EPTAM 20-G per acre after the potato plants have emerged.
Fall Application (Minnesota, North Dakota):
Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22 pounds per acre on medium and fine textured soils.

SAFFLOWER
National:
Apply and incorporate 15 pounds EPTAM 20-G per acre just before planting.

SUGAR BEETS
National (Pre-Thinning):
Apply and incorporate 5 pounds of EPTAM 20-G per acre after thinning and clean cultivation and incorporate to a depth of 2 to 3 inches.
Fall Application (Minnesota, North Dakota):
Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22 pounds per acre on medium and fine textured soils.

SUNFLOWERS
Fall Application (Minnesota, North Dakota):
Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22 pounds per acre on medium and fine textured soils.

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ZENECA Ag Products
Wilmington, Delaware 19850-8458
04005243
048803

EPTAM[®] 20-G

IMPORTANT

RECALIBRATE YOUR EQUIPMENT FOR THIS PRODUCT BEFORE USING.

STATEMENT OF PRACTICAL TREATMENT

FIRST AID

Immediately start the procedures given below. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.

IF SWALLOWED: Immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart during flushing to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

IF ON SKIN: Flush affected areas with plenty of water for several minutes.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

HARMFUL IF SWALLOWED. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Avoid contamination of feed and food.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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.

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(b)(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

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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WEEDS CONTROLLED

EPTAM 20-G will not control established weeds.

ANNUAL GRASSES:

Annual Bluegrass (*Poa annua*)
Annual Ryegrass (Italian Ryegrass)
(*Lolium multiflorum*)
Barnyardgrass (Watergrass, Junglerice)
(*Echinochloa* spp.)
Crabgrass (*Digitaria* spp.)
Field Sandbur (*Cenchrus pauciflorus*)
Giant Foxtail (*Setaria faberi*)
Goosegrass (*Eleusine indica*)

ANNUAL BROADLEAF WEEDS:

Black Nightshade (*Solanum nigrum*)
Common Chickweed (*Stellaria media*)
Common Lambsquarters
(*Chenopodium album*)
Corn Spurry (*Spergula arvensis*)
Deadnettle (Henbit) (*Lamium amplexicaule*)
Florida Pusley (*Richardia scabra*)
Hairy Nightshade (*Solanum villosum*)

Green Foxtail (*Setaria viridis*)
Johnsongrass Seedling
(*Sorghum halepense*)
Wildcane (Shattercane, Black Ambercane,
Chicken-corn, Scattercane)
(*Sorghum bicolor*)
Volunteer Grains (Barley, Oats, Wheat)
Wild Oats (*Avena fatua*)
Yellow Foxtail (*Setaria glauca*)

Nettleleaf Goosefoot (*Chenopodium murale*)
Purslane, Common (*Portulaca oleracea*)
Prostrate Pigweed
(*Amaranthus gracilians*)
Redroot Pigweed (Common Pigweed)
(*Amaranthus retroflexus*)
Tumble Pigweed (*Amaranthus albus*)

The annual broadleaf weeds listed above will be controlled only if treatment is made when conditions are favorable for weed germination and growth.

PERENNIAL WEEDS:

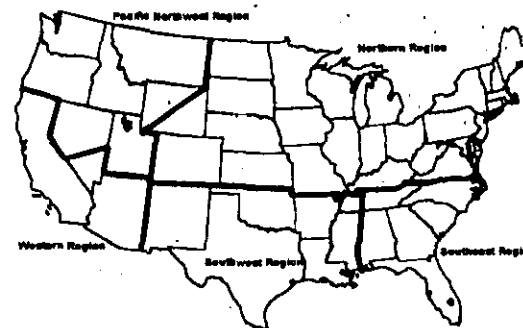
Bermudagrass (*Cynodon dactylon*)
Purple Nutsedge (Nutgrass) (*Cyperus rotundus*)
Quackgrass (Couchgrass, Witchgrass) (*Agropyron repens*)
Yellow Nutsedge (Nutgrass) (*Cyperus esculentus*)

Perennial weeds must be tined under and chopped up thoroughly prior to treatment. The underground rhizomes of quackgrass and the rhizomes and stolons of bermudagrass must be cut up thoroughly so that four or less nodes remain on a strand. For the control of quackgrass and bermudagrass, the disc must be set to cut 6 inches deep and the higher rates of EPTAM 20-G must be used. Consult RECOMMENDATIONS for crops on which the higher rates may be used.

RECOMMENDATIONS

These recommendations are given as broadcast (overall) rates of EPTAM 20-G per acre. For band treatment, use proportionately less material per acre depending on the width of band to be treated and the crop row spacing. Do not apply EPTAM 20-G on rocky ground because thorough incorporation is not possible.

IMPORTANT: The following recommendations are national or regional. National recommendations are for all regions. Regional recommendations are limited to the regions specified. Refer to the regional map below to determine your EPTAM 20-G region.



ALFALFA, BIRDSFOOT TREFOIL, CLOVER, LESPEDEZA—NEW SEEDINGS

Temporary crop stunting and sealing of first leaves will occur if conditions for germination and crop growth are not good. Do not use EPTAM 20-G if a grass or grain nurse crop is to be planted with the legume.

National:

For control of annual grasses, broadleaf weeds, and nutsedge, apply and incorporate 15 pounds of EPTAM 20-G per acre just before planting.

Northern, Pacific Northwest, and Western Regions Only:

Apply 20 pounds EPTAM 20-G per acre for quackgrass suppression and for control of nutsedge, annual broadleaf weeds and annual grasses in medium and fine textured soils.

Do not exceed 15 pounds EPTAM 20-G per acre in coarse textured soils.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ZENECA, and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF 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 ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

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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.

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 12 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
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Keep container closed when not in use. Store in a cool, dry place. Do not store near seeds, fertilizers or foodstuffs.

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

CONTAINER DISPOSAL: Completely empty bag into application equipment; then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

EPTAM® 20-G granules is a selective herbicide which is mixed (incorporated) into the soil for control of weeds listed on this label. EPTAM 20-G controls weeds as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds.

GENERAL USE PRECAUTIONS

READ ALL LABEL DIRECTIONS BEFORE USING.

EPTAM 20-G should be used only for recommended purposes and at recommended rates (DO NOT OVERDOSE). Recalibrate your application equipment for this product before using.

Applied according to directions and under normal growing conditions. EPTAM 20-G will not harm the treated crop. However, during germination and early growth, extended periods of unusually cold and wet or hot and dry weather, insect, nematode, or plant disease attack, carryover pesticide residues, the use of certain soil applied systemic insecticides, highly saline or alkaline soil conditions, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. Used under these abnormal conditions, EPTAM 20-G could result in crop injury.

ALFALFA—ESTABLISHED (WESTERN REGION—EXCEPT NEVADA)

Forage: Ground or Aerial

For control of annual weeds and suppression of perennial weeds, apply 10 to 15 pounds EPTAM 20-G per acre to established alfalfa and incorporate with irrigation. Do not exceed 15 pounds per acre EPTAM 20-G in any single application or 60 pounds EPTAM 20-G per acre per year. Make a maximum of one (1) application per cutting. Do not harvest alfalfa forage within 14 days of application.

Seed: Ground or Aerial

For control of annual weeds and suppression of perennial weeds, apply 10 to 15 pounds EPTAM 20-G per acre to established alfalfa and incorporate with irrigation. Do not exceed 15 pounds EPTAM 20-G per acre in any single application or 60 pounds EPTAM 20-G per acre per year. Make a maximum of one (1) application per cutting or per 30-day interval. Do not apply within 14 days of harvest.

Apply EPTAM 20-G to established alfalfa using properly calibrated ground or aerial application equipment. Apply to dry soil free from incidental dew and moisture.

Incorporate immediately after application using flood or sprinkler irrigation systems. Apply enough water to wet the soil to a minimum of 3 to 4 inch depth.

BEANS, GREEN OR DRY

Do not use EPTAM 20-G on cowpeas (blackeye peas, blackeye beans), soybeans, adzuki beans, lima beans, or other flat-podded beans except romano. Under abnormal weather conditions, stunting may occur on gratiol, michilite, sanilac and seaway varieties. Do not exceed the 15 pounds per acre rate on small white beans, or on green beans grown on coarse textured soils.

Apply and incorporate EPTAM 20-G just before planting, immediately after planting, or at the time of last cultivation. If applied before planting, rotary hoe during or shortly after emergence of the beans to break any crust which occurs. If applied at the time of last cultivation, apply to the soil before bean pods start to form, and do not feed or pasture vines to livestock within 45 days after application.

National:

Use 15 pounds EPTAM 20-G per acre for nutsedge, annual grass, and broadleaf weed control.

Northern and Pacific Northwest Regions Only:

Use 20 pounds of EPTAM 20-G per acre for quackgrass suppression and for control of seedling johnsongrass, nutsedge, annual broadleaf weeds, and annual grasses in medium and fine textured soils.

Fall Application (Dry Beans: Minnesota, North Dakota Only):

Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22½ pounds per acre on medium and fine textured soils.

CITRUS, NURSERY STOCK AND YOUNG FIELD PLANTINGS (NONBEARING ORANGE AND GRAPEFRUIT GROVES)

National:

After lining out, apply 15 to 30 pounds of EPTAM 20-G per acre to the soil and incorporate with cultivation equipment such as a tree hoe or rotary hoe.

CONIFER NURSERY STOCK (TWO-YEAR OLD LINING OUT STOCK OF AUSTRIAN PINE, EASTERN HEMLOCK, NORWAY PINE, RED PINE, SCOTCH PINE, WHITE PINE)

National:

Apply and incorporate 15 pounds of EPTAM 20-G per acre just before planting or over well established plants. For control of quackgrass, heavy infestations of nutsedge, and annual broadleaf weeds, apply and incorporate 30 pounds of EPTAM 20-G per acre.

POTATOES, IRISH

Preplant:

Southeast, Southwest, and Western Regions Only:

Apply and incorporate 15 pounds EPTAM 20-G per acre.

Northern and Pacific Northwest Regions Only:

For annual grasses and broadleaf weeds, use 15 to 30 pounds EPTAM 20-G per acre. For quackgrass suppression (or control) and control of nutsedge, annual broadleaf weeds, and annual grasses in fine textured soils, use 20 to 30 pounds per acre.

OR

Drag-Off (Come Up, Weeding Time):

The field must first be "dragged-off" followed by EPTAM 20-G application and incorporation. Use spike-tooth harrows or cultivation equipment for incorporation.

National:

For annual grasses and broadleaf weeds, use 15 pounds of EPTAM 20-G per acre.

Northern and Pacific Northwest Regions Only:

For control of nutsedge, annual grasses and broadleaf weeds in medium and fine textured soils, use 20 to 30 pounds EPTAM 20-G per acre.

Layby:

Apply after a clean cultivation. Apply when vines are dry and use cloth drag to knock granules off plant. Do not apply within 45 days of harvest.

Southeast, Southwest, and Western Regions Only:

Apply and incorporate 15 pounds EPTAM 20-G per acre.

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Use equipment which has proven to incorporate thoroughly to the recommended depth.

Do not contaminate water to be used on susceptible crops or for domestic purposes.

EPTAM 20-G is recommended for use on mineral soils only.

When applied according to directions and under conditions for normal crop growth, no harmful residues should remain beyond harvest.

Do not apply prior to preirrigation.

Keep container closed when not in use. Do not store near seeds or fertilizers.

APPLICATION DIRECTIONS

Apply only to well-worked soil that is dry enough to permit thorough mixing with incorporation equipment. Uniformly apply the recommended rate using equipment designed for application of granular herbicides. Equipment should be carefully calibrated before use and checked frequently during application to be sure it is working properly and delivering a uniform distribution pattern. Avoid overlaps that will increase EPTAM 20-G dosage above recommended rates as plant injury may occur.

INCORPORATION DIRECTIONS

EPTAM 20-G must be incorporated into the soil immediately to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation.

Soil Mixing (Incorporation) Before Planting: Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches or tandem disc set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph, followed by a spike-tooth harrow or some other leveling device which extends beyond the ends of the disc. For more thorough mixing (for perennial grasses and in heavier soils) disc in two different directions (cross disc).

Incorporation At Or After Planting: Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches or, on light soils only, ground-driven tillers (rolling cultivators, rotary hoe, row wheels, etc.) set to cut to a depth of 1½ inches and operated at 6 to 8 mph. When using ground-driven tillers, precultivate if soil is crusted. When incorporating after planting, care must be taken not to disturb the crop seed or seedling.

Irrigation: EPTAM 20-G can be incorporated with irrigation water. Incorporate immediately using flood or sprinkler irrigation systems. Apply enough water to wet soil to minimum of 3-4" depth.

PLANTING DIRECTIONS

For preplant applications, seeding should be done as soon as possible after treatment to obtain a maximum period of weed control.

CULTURAL PRACTICES FOLLOWING APPLICATION

EPTAM 20-G is not persistent in the soil and susceptible weeds germinating later during the growing season may not be controlled. Shallow cultivation may be necessary to control these susceptible weeds that escape control by EPTAM 20-G as well as those weeds not susceptible to EPTAM 20-G. Do not cultivate deeper than the depth of the herbicide incorporation.

Northern and Pacific Northwest Regions Only:

Apply to the soil and incorporate 15 to 20 pounds EPTAM 20-G per acre after the potato plants have emerged.

Fall Application (Minnesota, North Dakota):

Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22½ pounds per acre on medium and fine textured soils.

SAFFLOWER

National:

Apply and incorporate 15 pounds EPTAM 20-G per acre just before planting.

SUGAR BEETS

National (Post-Thinning):

Apply and incorporate 15 pounds of EPTAM 20-G per acre after thinning and clean cultivation and incorporate to a depth of 2 to 3 inches.

Fall Application (Minnesota, North Dakota):

Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22½ pounds per acre on medium and fine textured soils.

SUNFLOWERS

Fall Application (Minnesota, North Dakota):

Apply and incorporate in the late fall before the ground freezes. Use 20 pounds EPTAM 20-G per acre on coarse textured soils and 22½ pounds per acre on medium and fine textured soils.

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ZENECA Ag Products

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