

11-SEP-2003 Notification received of a label change. See below for this change.

21-AUG-2001

LENTAGRAN ® 45WP Herbicide

HERBICIDE

AGRICULTURAL

GUARANTEE:

Pyridate..... 45 %

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**REGISTRATION NO. 21561
PEST CONTROL PRODUCTS ACT**

CAUTION



POISON

**EYE IRRITANT
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: 1 KG IN WATER SOLUBLE BAG

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N1G 4Z3

Notification Change

Water Soluble Bag Label

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto. The buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

FIRST AID:

IN CASE OF POISONING, call a physician or poison control center immediately. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

If on skin, wash with plenty of soap and water. Do not reuse contaminated clothing until washed. Get medical attention, if irritation persists.

If in eyes, flush with plenty of water for 10-15 minutes. Get medical attention.

TOXICOLOGICAL INFORMATION:

It has been demonstrated that pyridate is only moderately toxic to mammals. The acute oral LD50 for LENTAGRAN 45 WP is 2330 Mg/Kg in rats. The acute dermal LD50 in rats is greater than 2000 Mg/Kg. Exposure should be treated symptomatically. There is no specific antidote. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN

May be harmful if swallowed. May irritate eyes. Potential skin sensitizer. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist.

Wear chemically resistant gloves, goggles, or face shield, long sleeved shirt and long legged pants, rubber boots and suitable headgear during mixing, loading, repair and clean-up.

Take a shower immediately after work. Wash hands and face before

eating, drinking, smoking and using the toilet.
Store and wash all protective clothing separately from household laundry, using detergent and hot water, before reuse.
Do not contaminate water by disposal.
Store products in original containers.

Do not discharge into lakes, streams, ponds or public waters. Do not apply when weather conditions favor drift from target area.
OVERSPRAY OR DRIFT TO IMPORTANT WILDLIFE HABITATS SUCH AS SHELTERBELTS, WETLANDS, SLOUGHS AND DRY SLOUGH BORDERS, WOODLOTS, VEGETATED DITCHBANKS AND OTHER COVER ON THE EDGES OF FIELDS SHOULD BE AVOIDED. LEAVE A 15 METER BUFFER ZONE BETWEEN THE LAST SPRAY SWATH AND THE EDGE OF ANY OF THESE HABITATS.

STORAGE:

Store unused product in original container. Do not store in freezing temperatures or in conditions of high humidity. Store in a locked area out of the reach of children.

DECONTAMINATION AND DISPOSAL:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

DISPOSAL:

1. Empty bag thoroughly into spray tank.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-267-6351***

HANDLING:

LENTAGRAN 45 WP is packaged in water soluble plastic packets for direct placement into the spray tank. The water soluble packets may be emptied directly from the overpack bag into the sprayer. The overpack bag is designed to protect water soluble packets from moisture and humidity. Open the outer bag only just prior to filling the spray tank. Do not handle soluble packets with bare hands or wet gloves. If broken water soluble packets are found when the overpack bag is opened, avoid contact and inhalation of the product, reseal the outer bag and return

to dealership for replacement of this product. If on opening the overpack and not using the water soluble packet reseal the outer bag to protect the soluble packet.

GENERAL INFORMATION:

LENTAGRAN 45 WP is a post-emergence contact herbicide to be used alone or in combinations for the selective control of certain annual broadleaf weeds, sedges and suppression of grassy weeds in cabbage, corn and tomatoes.

LENTAGRAN 45 WP is rapidly absorbed by leaves. It penetrates into both sensitive and tolerant plants but is quickly metabolized and inactivated in tolerant crops such as corn. In sensitive weeds, activity is evident by marginal yellowing, followed by browning and yellowing of the entire leaf. This visible evidence generally occurs within 4-7 days of application. Activity is more rapid at higher temperature and under good growing conditions. Weed control under drought conditions may be decreased.

Uptake of LENTAGRAN 45 WP by leaves is very rapid and rainfall shortly after application (1-2 hours) has little effect on the degree of weed control.

LENTAGRAN 45 WP decomposes in the soil and has no pre-emergence or residual activity.

LENTAGRAN 45 WP is non-corrosive to equipment, nonflammable and nonvolatile.

MIXING:

Fill spray tank about 1/2 full with water. Add the required amount of LENTAGRAN 45 WP. When used in combination with other products, add wettable powders or dry flowables first, followed by aqueous flowables, then emulsifiable concentrates. Agitate thoroughly and continuously. When all materials have been added and thoroughly agitated, add the remainder of the amount of water to be used for spraying.

Agitation must be continued during spraying until spray tank is empty. Contents of spray tank should be used immediately and may not be stored.

APPLICATION PROCEDURES:

Apply LENTAGRAN 45 WP treatments with a boom sprayer properly calibrated at constant speed and delivery. Application should be made using a minimum of 150-300 litres of water per hectare at 175-250 kPa. Thorough coverage of the weeds is essential for best results. Large crop and weed-leaf canopies may shelter smaller weeds and prevent adequate coverage.

Do not combine LENTAGRAN 45 WP with other pesticides except as specifically directed on this label.

TIMING:

LENTAGRAN 45 WP is most effective on actively growing weeds in the 1-4 true leaf stage, depending on the weed. A delay in spraying, which permits weeds to grow beyond the proper application time, may result in reduced control. If weeds are under stress and not actively growing, they are harder to kill. Scout your fields 10-15 days after planting to determine exact timing for application. In corn, a cultivation may be necessary if all weeds are not controlled or if weeds re-grow. Do not apply when conditions for drift can carry spray to adjacent sensitive non-target areas.

Do not harvest crops for human or animal consumption for at least 45 days after last application.

Do not apply LENTAGRAN 45 WP more than once per season.

DO NOT APPLY BY AIR. APPLY BY GROUND APPLICATION ONLY.

CAUTION: Do not graze the treated immature crops or cut for hay. In the case of corn, this is before ear emergence. There are insufficient data to support such use.

USE DIRECTIONS:

Refer to the weed chart for further weed control information.

CABBAGE:

LENTAGRAN 45 WP may be applied following a pre-plant incorporated (PPI) application of trifluralin at recommended label rates for the control of escaping lambs-quarters and redroot pigweed. Trifluralin/LENTAGRAN 45 WP sequential applications may be used in both direct seeded and transplanted cabbage. Consult the trifluralin label for additional precautions, warnings, restrictions, application instructions, directions for use, and weeds controlled.

Timing of LENTAGRAN 45 WP Application: For optimum weed control and minimum crop competition, timing of application must be based on the stage of weed growth. Apply 2kg/ha of LENTAGRAN 45 WP when broadleaf weeds are in the 2-4 leaf stage using 150-300 litres of water per hectare at 175-250 kPa. Thorough coverage of target weeds is essential for best results. Direct Seeded Cabbage: LENTAGRAN 45 WP should be applied only when the crop has at least 4 fully developed true leaves, but prior to head formation. Transplanted Cabbage: LENTAGRAN 45 WP should be applied only after cabbage plants have become well established in the soil (approximately 14 days after transplanting) prior to head formation. Caution: LENTAGRAN 45 WP may cause discolouring of cabbage leaves. Only leaves that come in contact with the spray will be affected. The discolouring of leaves has not been shown to affect yields.

FIELD, SWEET, SEED CORN:

Corn is tolerant to LENTAGRAN 45 WP at all stages of development.

However, for optimum weed control and minimal competition to the crop, timing of application must be based on the stage of weed growth.

OPTION 1:

LENTAGRAN 45 WP Plus Atrazine - In Tank Mix Combination AGAINST ANNUAL BROADLEAF WEEDS Including Triazine Resistant Weeds

Refer to weed chart. For the control of annual broadleaf weeds up to the 4 leaf stage. Combine 1 kg of LENTAGRAN 45 WP with 1.0 Kg of atrazine active ingredient (or the equivalent of atrazine 90W or atrazine 500L) per hectare for early post-emergent application.

This combination is to be applied in a sequential treatment with a pre-emergent grass herbicide or in fields without grass infestation. Only escaping grasses up to the 3-leaf stage are suppressed with this combination.

Do not apply within 45 days of harvest.

Read atrazine label for additional instructions and restrictions.

Harvested corn grain, silage and corn processing by-products may be fed to livestock.

OPTION 2:

LENTAGRAN 45 WP Alone AGAINST BROADLEAF WEEDS INCLUDING TRIAZINE RESISTANT BIOTYPES

Refer to weed chart. For the control of triazine resistant lambsquarters and redroot pigweed only, apply 2 kg of LENTAGRAN 45 WP when the weeds are in the 1-4 leaf stage.

LENTAGRAN 45 WP alone may be used as part of a sequential treatment to control escaping broadleaf weeds, following a pre-plant incorporated or pre-emergent grass herbicide.

TOMATOES:

For the control of annual broadleaf weeds (including triazine resistant species), apply 1-2 Kg/Ha LENTAGRAN 45 WP as "directed spray" in a tank mix with 0.15 - 0.30 Kg a.i. metribuzin/Ha. Apply to actively growing weeds in the 1-4 leaf stage in 150-300 litres of water per Ha. Apply only as "directed spray" to bottom (1/3) one-third of well-established tomato plants. Do not use before tomato plants reach the 5-leaf stage or if the plants are under stress.

For broader spectrum weed control including grasses, apply trifluralin at recommended rates as pre-plant incorporated, then follow with the post-emergence directed spray treatment of LENTAGRAN 45 WP and metribuzin. Some temporary yellowing of tomatoes may occur after treatment but with no effect on yields. Do not add oil surfactants.

Caution: LENTAGRAN 45 WP may cause temporary discoloring of leaves that were sprayed. This injury does not affect yield. Only leaves that come in contact with spray will be affected.

Do not apply within 45 days of harvest.

BROADLEAF WEEDS	<u>CORN OPTION 1</u> 1 Kg LENTAGRAN 45WP + 1 Kg a.i. atrazine following pre-emergence grass herbicide	<u>CORN OPTION 2</u> 2 Kg LENTAGRAN 45WP	<u>TOMATOES</u> 1-2 Kg Lentagran 45WP + .15-.3 Kg a.i. metribuzin
Buckwheat, wild (Polygonum convolvulus)	XS		XS
Lady's thumb (Polygonum persicaria)	XS		XS
Lambsquarters, common (Chenopodium album)	X	X	X
Mustard, wild (Sinapis arvensis)	X		X
Nightshade (Solanum spp.)	X		X
Pigweed, redroot (Amaranthus retroflexus)	X	X	X
Purslane (Portulaca oleracea)	X		X
Ragweed, common (Ambrosia artemisifolia)	X		X
Smartweed (Polygonum spp.)	X		X
Shepherdspurse (Capsella bursa-pastoris)	X		X
Velvetleaf (Abutilon theophrasti)	X		X
GRASSES			
Barnyardgrass (Echinochloa crus-galli)	XS		XS
Crabgrass, hairy (Digitaria sanguinalis)	XS		XS
Foxtail, green (Setaria viridis)	XS		XS
Foxtail, yellow (Setaria, glauca)	XS		XS

X = Controlled

XS = Suppressed

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