

2018-3770
2019-03-12

AGROX FL (NON-DYED) FUNGICIDE

**FLOWABLE SEED TREATMENT
(NON-DYED) FUNGICIDE**

**TO PROTECT SEEDS FROM STORAGE ROT IN
STORAGE AND AFTER PLANTING FROM SEED DECAY,
ROOT ROT, DAMPING-OFF AND SEEDLING BLIGHTS.**

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN AND UNAUTHORIZED PERSONNEL

GROUP	M4	FUNGICIDE
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CAUTION: EXPOSURE TO CAPTAN MAY PRODUCE LONG TERM HEALTH EFFECTS.
TO MINIMIZE EXPOSURE, FOLLOW DIRECTIONS OUTLINED ON THIS LABEL.

ACTIVE INGREDIENT: CAPTAN 30% (MINIMUM)

REGISTRATION NO. 24684 PEST CONTROL PRODUCTS ACT

AGRICULTURAL

NET CONTENTS: **20 LITRES**

**FOR USE BY COMMERCIAL SEED TREATERS ONLY
ALL SEEDS MUST BE CONSPICUOUSLY
COLOURED AT TIME OF TREATMENT**

Norac Concepts Inc.
P.O. Box 31097
Guelph, ON
N1H 8K1

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PRECAUTIONS: Keep out of reach of children and unauthorized personnel. Never handle material with bare hands. Use rubber gloves; do not use leather or cloth gloves. Avoid spilling on skin or clothing. Wash hands, face and arms thoroughly after handling this product and before drinking, eating or smoking. When treating, augering or handling treated seed, work in a well ventilated area, and wear a respirator, goggles, and gloves. When handling or applying, wear goggles and clothing that completely covers arms and legs to minimize exposure. Change contaminated clothing and wash thoroughly before re-use. Shower after use or at the end of the work day. If an accident occurs, remove contaminated clothing, and wash skin thoroughly with soap and water. Wash clothing and gloves before re-use. Always work out of the wind during mixing and loading operations. Keep unprotected persons out of operating area or vicinity where there may be drift. Do not contaminate food or feed. This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment. **Label all unplanted treated seed: “Poisonous to man and animals.** Do not use for food or feed. Do not sell to oil mills. This seed has been treated with Captan”. A colourant **MUST** be added to this product to colour seed in accordance with the Pest Control Products Act and the Seeds Act Regulations.
DO NOT plant treated seed by hand.

Commercial Seed Treatment Facilities

Use closed transfer for commercial seed treatment (facilities and mobile treaters). Closed transfer includes closed mixing, loading, calibrating and closed treatment of 25 equipment. No open transfer is permitted. When treating seeds wear a long-sleeved shirt, long pants, shoes plus socks, goggles, chemical-resistant gloves, and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

For all other activities involving the handling of treated seeds (for example, bagging, stacking) wear a long-sleeved shirt, long pants, shoes plus socks, goggles, chemical-resistant gloves, and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested.

When cleaning seed treatment equipment, wear chemical-resistant coveralls over long sleeved shirt, long pants, chemical-resistant footwear, socks, goggles, chemical-resistant gloves and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

Treated seed bags must be labelled or tagged with the following instructions for workers planting treated seed. If seed is not bagged, then the following information must be provided in writing to the farmer through another means, such as a pamphlet:

“For all activities involving handling of treated seeds (including planting), wear a long sleeved-shirt, long pants, chemical-resistant gloves, goggles and a NIOSHapproved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested. Closed cabs must be used for planting treated seeds. Respirators and chemical-resistant gloves are not required to be worn within the closed cab as long as the cab is equipped with equivalent respiratory protection (dust/mist filtering and/or vapour/gas purification system), but need to be available for exiting the cab during calibration, repair or cleaning of equipment.”

On-Farm Seed Treatment (liquid formulation) (beans, chickpea, corn, lentil, lupin, peas, soybeans)

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When treating seeds, handling and planting treated seeds, wear a long-sleeved shirt, long pants, shoes plus socks, goggles, and chemical-resistant gloves. When treating seeds, also wear a respirator with a NIOSH-approved organic-vapour7 of 25 removing cartridge with a prefilter approved for pesticides. When handling and planting treated seeds, also wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms.

Treated seed is toxic to small wild mammals.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of captan fungicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

Labelling of Treated Seed

All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: Toxic to small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

FIRST AID: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. **If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. **If swallowed**, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Note to Physicians: This product contains petroleum distillate. Treat symptomatically. Do not give vasopressor drugs (e.g. epinephrine, adrenalin, ephedrine, etc) as there may be danger of producing cardiac arrhythmia.

EMERGENCY TELEPHONE NUMBER: All hours, (613) 787-5620 **ONLY** for health and environmental information.

SPILL CLEANUP: If container is leaking, secure leak and place container in a heavy plastic bag or drum and contact Norac for disposal instructions (see EMERGENCY TELEPHONE NUMBER). For spills or leaks, contain the liquid and absorb on inert material (sand, clay, kitty litter etc.) and shovel into a sealable waste container. After initial cleanup of surface, cover surface (other than dirt) with detergent and mix with a small amount of water. Scrub area with a stiff brush, let stand for 10 minutes and then absorb onto an inert material. Shovel into waste container. If spilled on earth, remove top 15 cm of soil and replace with clean soil. Dispose of all wastes

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including scrub brush in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency.

DISPOSAL for Recyclable Containers: Disposal of Container: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For Refillable Containers (415 L and 1000 L): Disposal of Container: For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose. For information on the 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.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

DIRECTIONS RESISTANCE-MANAGEMENT RECOMMENDATIONS: For resistance management, please note that **AGROX FL (NON-DYED) FUNGICIDE** contains a Group M4 fungicide. Any fungal population may contain individuals naturally resistant to CAPTAN and other Group M4 fungicides. A gradual or total loss of pest control may occur over time if this fungicide is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of Captan and other Group M4 fungicides with different groups that control the same pathogen.
- Use tank mixes with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify NORAC CONCEPTS INC. if reduced sensitivity of the pathogen to AGROX FL (Non-dyed) Fungicide is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.

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- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Norac Concepts Inc. at 519-821-3633 or at www.noracconcepts.com.

DIRECTIONS FOR USE

Mix the recommended amount of **AGROX FL (NON-DYED) FUNGICIDE** with the amount of water required for the slurry treater equipment to be used. **NOTE:** Seed treated by the slurry method should not be bagged or stacked until it has dried. A colourant **MUST** be added to this product to colour the seed in accordance with the Pest Control Products Act and the Seeds Act Regulations.

SEED	AMOUNT OF AGROX FL (NON-DYED) FUNGICIDE
Beans (snap, dry, lima)	70 mL per 25 KG
Corn – Field	50 mL per 25 KG
*Corn – Field	*30 mL per 25 KG
Corn – Sweet	85 mL per 25 KG
*Corn – Sweet	*60 mL per 25 KG
Peas	70 mL per 25 KG
Soybean	70 mL per 25 KG
Sugar Beets**	155 mL per 25 KG

***LIMITATION:** Product is to be applied at this rate only by a professional applicator using equipment which will assure complete and uniform coverage.

****For :** Imported seed only – DO NOT treat seeds in Canada.

For Imported Treated Seed

DO NOT treat sugar beets seeds in Canada.

When planting imported seeds (sugar beets), add the following instructions:

“Treated seed bags must be labelled or tagged with the following instructions for workers planting treated seed. If seed is not bagged, then the following information must be provided in writing to the farmer through another means, such as a pamphlet:

For all activities involving handling of treated seeds (including planting), wear a long sleeved-shirt, long pants, chemical-resistant gloves, goggles and a NIOSH approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested. Closed cabs must be used for planting treated seeds. Respirators and chemical-resistant gloves are not required to be worn within the closed cab as long as the cab is equipped with equivalent respiratory protection (dust/mist filtering and/or vapour/gas purification system), but need to be available for exiting the cab during calibration, repair or cleaning of equipment.”

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AGRICULTURAL

20 litres
415 litres
1000 litres

SUPPLEMENTAL LABEL

AGROX FL (NON-DYED) FUNGICIDE

Flowable Seed Treatment
Fungicide (Non-dyed)

To protect Seeds from Storage Rot in
Storage and After Planting from Seed Decay,
Root Rot, Damping-off and Seedling Blights.

FOR OAT SEED DESTINED FOR EXPORT ONLY
PLANTING IN CANADA PROHIBITED

FOR USE BY COMMERCIAL SEED TREATERS ONLY

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

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CAUTION: Exposure to captan may produce long term health effects.
To minimize exposure, follow directions outlined on this label.

NOTE: ALL SEEDS MUST BE CONSPICUOUSLY COLOURED
AT THE TIME OF TREATMENT.

ACTIVE INGREDIENT: captan 30%

REGISTRATION NO. 24684 PEST CONTROL PRODUCTS ACT

Norac Concepts Inc.
P.O. Box 31097
Guelph, ON
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PRECAUTIONS

Keep out of reach of children. Never handle this product or treated seeds with bare hands. Avoid spilling on skin or clothing. Wash hands, face and arms thoroughly after handling this product and before drinking, eating or smoking. When handling the product; or treating, augering or handling treated seed, work in a well-ventilated area, and wear coveralls, a respirator, goggles, and chemical resistant gloves. Change contaminated clothing and wash thoroughly before re-use. Shower after use or at the end of the work day. If an accident occurs, remove contaminated clothing, and wash skin thoroughly with soap and water. Wash clothing and gloves before re-use. Always work out of the wind during mixing and loading operations. Keep unprotected persons out of operating area or vicinity where there may be drift. Do not contaminate food or feed or any body of water.

Label all treated seed: “FOR EXPORT ONLY. Poisonous to man and animals. Do not use for food or feed. Do not sell to oil mills. This seed has been treated with Captan.”

DO NOT plant treated seed by hand.

Commercial Seed Treatment Facilities

Use closed transfer for commercial seed treatment (facilities and mobile treaters). Closed transfer includes closed mixing, loading, calibrating and closed treatment 6 of 25 equipment. No open transfer is permitted. When treating seeds wear a long-sleeved shirt, long pants, shoes plus socks, goggles, chemical-resistant gloves, and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

For all other activities involving the handling of treated seeds (for example, bagging, stacking) wear a long-sleeved shirt, long pants, shoes plus socks, goggles, chemical-resistant gloves, and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested.

When cleaning seed treatment equipment, wear chemical-resistant coveralls over long sleeved shirt, long pants, chemical-resistant footwear, socks, goggles, chemical-resistant gloves and a respirator with a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

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during calibration, repair or cleaning of equipment.”

On-Farm Seed Treatment (liquid formulation) (beans, chickpea, corn, lentil, lupin, peas, soybeans)

When treating seeds, handling and planting treated seeds, wear a long-sleeved shirt, long pants, shoes plus socks, goggles, and chemical-resistant gloves. When treating seeds, also wear a respirator with a NIOSH-approved organic-vapour⁷ of 25 removing cartridge with a prefilter approved for pesticides. When handling and planting treated seeds, also wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit-tested.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms.

Treated seed is toxic to small wild mammals.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of captan fungicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

Labelling of Treated Seed

All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: Toxic to small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

FIRST AID

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. **If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. **If swallowed**, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

EMERGENCY TELEPHONE NUMBER

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All hours, **(613) 787-5620 ONLY** for health and environmental information.

SPILL CLEANUP

If container is leaking, secure leak and place container in a heavy plastic bag or drum and contact NORAC for disposal instructions (see EMERGENCY TELEPHONE NUMBER).

For spills or leaks, contain the liquid and absorb on inert material (sand, clay, kitty litter etc.) and shovel into a sealable waste container. After initial cleanup of surface, cover surface (other than dirt) with detergent and mix with a small amount of water. Scrub area with a stiff brush, let stand for 10 minutes and then absorb onto an inert material. Shovel into waste container. If spilled on earth, remove top 15 cm of soil and replace with clean soil. Dispose of all wastes including scrub brush in accordance with provincial requirements. For information details on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

DISPOSAL

Returnable Container (415 and 1000 L) - rinse empty container thoroughly and add the rinsings to the treater as appropriate or dispose as waste in accordance with provincial requirements. Return the empty container to the location specified by the distributor. Do not reuse container for any other purpose.

For information on the disposal of unused, unwanted product and cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

Non-Returnable Container - rinse empty container thoroughly and add the rinsings to the treater as appropriate or dispose as waste in accordance with provincial requirements.

Follow provincial instructions for any required additional cleaning of the container prior to disposal. Make the empty container unsuitable for further use. Dispose of the empty container in accordance with provincial requirements. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

NOTICE TO USER

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

DIRECTIONS FOR USE

Mix the recommended amount of **AGROX FL (NON-DYED) FUNGICIDE** with the amount of water required for the slurry treater equipment to be used. Use equipment which will ensure complete and uniform coverage.

NOTE: Seed treated by the slurry method should not be bagged or stacked until it has dried.

A colourant **MUST** be added to this product to colour the seed in accordance with the Pest Control Products Act and the Seeds Act Regulations.

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Seed

**Amount of AGROX FL (NON-DYED)
FUNGICIDE**

Oats

50 mL per 25 kg