

10-JUL-1998

((LABEL))

BASF

**POAST(R)
herbicide**

Liquid emulsifiable herbicide

For post-emergence control of grasses in certain broadleaf crops.

COMMERCIAL (AGRICULTURAL)

GUARANTEE:

Sethoxydim.....184 g/L

**REGISTRATION NO. 17502
PEST CONTROL PRODUCTS ACT**

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING.

CAUTION

POISON

Net Contents: 7 L

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario M9W 6N9

POAST(R) is a registered trademark of BASF AG used under license by BASF Canada Inc.

Caution: Read attached brochure for detailed application instructions before using.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of

vapour or spray mist and contact with eyes, skin or clothing.

4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where run-off or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

In case of eye contact:

Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

If swallowed:

Give water or milk. DO NOT INDUCE VOMITING. Consult a physician immediately or contact a poison control centre.

If inhaled:

Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or contact a poison control centre.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor

drain.

4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 control product is to be used only in accordance with the directions on this label. It is an offense under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

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.

((BROCHURE))

POAST(R)

herbicide

Directions for Use

Liquid emulsifiable herbicide for post-emergence control

of grasses in certain broadleaf crops.

COMMERCIAL (AGRICULTURAL)

GUARANTEE:

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M9W 6N9

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MERGE(R) is a registered trademark of BASF Canada Inc.

GENERAL INFORMATION:

Poast is a liquid emulsifiable concentrate herbicide for post-emergence control of annual grasses, wild oats, volunteer cereals and quackgrass in beans (including adzuki, dry common, faba, lima, mung and snap common), broccoli, buckwheat, cabbage, canola/rapeseed including Imazethapyr tolerant canola, e.g. canola varieties with the **Pursuit**® SMART trait, caraway, cauliflower, coriander, creeping red fescue(1), cucumbers(2), dill, ethnic cole crops (Chinese broccoli, Chinese radish, nappa cabbage, kohlrabi and mustard cabbage), flax (including low linolenic acid varieties), forage legumes for seed and forage (seedling and established: alfalfa, alsike clover, cicer milkvetch, sainfoin and sweetclover), fruit bearing (apple, apricot, sweet and sour cherry, peach, pear and plum) and non-fruit bearing trees (apple, peach and plum), garlic, lentils, mint crops (spearmint and peppermint), onions (dry bulb), peas (dry and fresh processing(3)), potatoes, safflower, soybeans, sugar beets, tomatoes, and various trees and shrubs. (Refer to crop recommendations table for maximum rate permitted on crops).

Poast does not control sedges or broadleaf weeds. This product does not provide residual weed control.

Poast is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment **Stop Growing** and undergo a burn-back and colour change first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Control of quackgrass develops more slowly than control of annual grasses. **POAST** is translocated through the quackgrass plant to the rhizomes and kills actively growing rhizome buds, as well as above ground vegetation. Dormant rhizome buds will remain unaffected by the spray and regrowth can occur from these buds. When **POAST** is applied according to label directions, the regrowth of the quackgrass will not be significant until 6-8 weeks after treatment, depending on growing conditions, crop cultivation practices and crop competition.

- 1 For seed production only.
- 2 Not for use in greenhouse cucumbers.
- 3 Do not use this product on fresh edible pod peas.

DIRECTIONS FOR USE:

a) POAST at 0.8 L/ha

POAST applied at 0.8 L/ha controls annual grasses listed below in the 1 to 6 leaf stage in all crops (see Section D). Wild oats and volunteer cereals are controlled at the 1-4 leaf stage in canola, flax (including low linolenic acid varieties) and peas only.

1-6 leaf stage

Barnyard grass
Crabgrass (large)
Fall panicum
Foxtail (green/yellow)
(wild millet)
Persian darnel
Proso millet
Volunteer corn
Witchgrass

1-4 leaf stage

*Wild oats
*Volunteer barley
*Volunteer wheat

Annual Grass Control

Apply **Poast** when the above listed annual grasses, not including wild

oats and volunteer cereals, are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

In wide row crops (25 cm or more in width) such as soybeans, potatoes, and sugarbeets where the crop canopy may be slow to close, cultivation may be necessary to control annual grasses that emerge after treatment.

***Wild Oat and Volunteer Cereal Control**

Most effective if applied prior to tillering.

This treatment is ideally suited as a follow up to a soil incorporated treatment such as Trifluralin or Edge® where weeds are at a small size and/or conditions at application are ideal (see below).

Poast applied at 0.8 L/ha for the control of wild oats and volunteer cereals should only be applied under the following conditions:

- C adequate moisture
- C adequate fertility
- C moderate temperatures 15°C to 28°C.
- C absence of stress
- C canola, flax (including low linolenic acid varieties) and peas only (Good crop stand is essential)
- C early timing (1-4 true leaf stage of volunteer cereals and wild oats)
- C light to moderate weed infestation levels
- C low water volumes (50-100 L/ha)

Use the 1.1 L/ha rate of **Poast** if any one of the above mentioned conditions are not present at the time of application.

B) Poast at 1.1 L/ha

Poast applied at 1.1 L/ha controls annual grasses including volunteer cereals and wild oats up to the 6 leaf stage and

additionally provides quackgrass suppression (Western Canada only):

1-6 leaf stage	1-6 leaf stage	2-5 leaf stage
Barnyard grass Crabgrass (large) Fall panicum Foxtail (green/yellow) (wild millet) Persian darnel Proso millet Volunteer corn Witchgrass	Wild Oats Volunteer Barley Volunteer Wheat	Quackgrass suppression (Western Canada only)

c) Poast at 2.7 L/ha

Annual grass, quackgrass control and foxtail barley suppression:

1-6 leaf stage	1-6 leaf stage	1-3 leaf stage	1-6 leaf stage
Barnyard grass Foxtail Crabgrass (large) Fall panicum Foxtail (green/yellow) (wild millet) Persian darnel Proso millet Volunteer corn Witchgrass	Wild oats Volunteer barley Volunteer wheat	control	Quackgrass barley (suppression)

Quackgrass

Apply **Poast** when quackgrass is actively growing up to the 3 leaf stage (8 to 12 cm in height). Use only on cultivated land where pre-plant tillage operations have been carried out to thoroughly fragment quackgrass roots. Where well established quackgrass exists, thorough pre-plant cultivation to a depth of 10 cm is recommended to fragment quackgrass roots and provide uniform grass emergence for improved control. Depending on growing conditions and crop cultivation system, season-long control of quackgrass may not always be obtained. Competition of quackgrass is normally eliminated for at least 6 to 8 weeks. A cultivation no sooner than 7 days after treatment is recommended for wide row crops as an aid in providing

control. When poor soil fertility(ie. low nitrogen) exists, quackgrass control may not be satisfactory.

Foxtail barley

Apply **Poast** for suppression of foxtail barley before foxtail barley has tillered.

d) Crops

Beans (including adzuki, dry common, faba, lima, mung and snap common), broccoli, buckwheat, cabbage, canola/rapeseed, including Imazethapyr tolerant canola e.g. canola varieties with the **Pursuit** SMART trait, caraway, cauliflower, coriander, creeping red fescue(1), cucumbers(2), dill, ethnic cole crops (Chinese broccoli, Chinese radish, nappa cabbage, kohlrabi and mustard cabbage), flax (including low linolenic acid varieties), forage legumes for seed and forage (seedling and established): alfalfa, alsike clover, cicer milkvetch, sainfoin and sweetclover, fruit bearing (apple, apricot, sweet and sour cherry, peach, pear and plum) and non-fruit bearing trees (apple, peach and plum), garlic, lentils, mint crops (spearmint and peppermint), onions (dry bulb), peas (dry and fresh processing(3)), potatoes, safflower, soybeans, sugar beets, tomatoes, and various trees and shrubs. (Refer to crop recommendations table for maximum rate permitted on crops).

e) Crop recommendations

Crop	Maximum Rate (L/ha)	Application to Harvest Interval (Days)
Beans Snap common Dry common	1.6	60
(white, kidney, pinto)	2.7	80
Adzuki, faba, lima, mung	2.7	80
Broccoli	1.1	70
Buckwheat	1.4	85
Cabbage	2.7	70
Canola 4 /rapeseed including Imazethapyr tolerant canola	2.7	70

Caraway 5	1.6	N/A
Cauliflower	2.7	70
Coriander 5	1.6	N/A
Creeping Red Fescue 1	2.7	N/A
Cucumbers 2	2.7	30
Dill 5	1.6	N/A
Ethnic cole crops 6 Chinese broccoli, Chinese Radish, nappa cabbage, Kohlrabi and mustard cabbage	2.7	30
Flax 4	2.7	60
Flax 4 (low linolenic acid varieties)	1.6	86
Garlic	2.7	50
Lentils	2.7	65
Mint crops (Spearmint Peppermint)	1.6	N/A
Onions (dry bulb)	2.7	50
Peas (fresh processing) 3 (dry)	2.7 2.7	30 60
Potatoes	2.7	80
Safflower	1.6	90
Soybeans	2.7	80
Sugarbeets	2.7	85
Tomatoes	2.7	60

Trees and shrubs Spruce (including white spruce and Colorado spruce) Pine (including Scots pine) Douglas fir, Cedar, Caragana, Juniper, Ash (including green ash), Lilac, Saskatoon, Buffaloberry, Sea-buckhorn, Potentilla, Spirea, Maple, Walnut	2.7	N/A
(Bearing) Fruit trees Apple, Apricot ⁷ , Sweet and Sour Cherry ⁷ , Peach, Pear, Plum ⁷	2.7	30
(Non-bearing) Fruit trees Apple, Peach, Plum	2.7	N/A
Forage legumes for seed and forage Alfalfa Seedling	2.7	70
Established	2.7	70
Alsike clover 5 Seedling	1.6	30
Established	2.7	30
Cicer milkvetch 5 Seedling	1.6	30
Established	2.7	30
Sainfoin 5 Seedling	1.6	30
Established	2.7	30
Sweetclover 5 Seedling	1.6	30
Established	2.7	30

- (1) For seed production only.
- (2) Not for greenhouse cucumbers.
- (3) Do not use on fresh, edible pod peas.
- (4) Also refer to section on tank mixtures.
- (5) For Western Canada only.
- (6) One application per year.
- (7) Apply by ground, banded under trees plus **Merge** at 1% v/v in 100-200 L water/ha.

Rates of Poast - Merge

Select one of the following treatments for control of grass species as listed below. **MERGE(R)** must be added to all applications of **Poast**, including tank mixtures with broadleaf herbicides. (Refer to crop recommendations table for maximum rate permitted on crops, especially buckwheat, snap common beans, herbs, and seedling forage legumes [except seedling alfalfa]).

Poast - merge application rate table

Grass Species Controlled	Grass Leaf Stage	POAST* Rate (L/ha)	MERGE** Rate (L/ha) by Water Volume:		
			Ground Application Water Volume 50-110 (L/ha)	110-200 (L/ha)	Aerial *** Application Water Volume 25-50 (L/ha)
A Annual grasses: Barnyard grass, Crabgrass (large), Fall panicum, Foxtail (green/yellow), (Wild millet) Persian darnel, Proso millet, Volunteer corn, Witchgrass	1-6	0.8	0.50-1.0	1.0	0.25-.50
Wild oats and volunteer cereals (<i>Canola, flax</i> (<i>including low</i> <i>linolenic acid</i> <i>varieties)</i> and peas only)	1-4				

B Annual grasses listed above including wild oats, volunteer cereals <i>Suppression of quackgrass (Western Canada only)</i>	1-6	1.1	0.50-1.0	1.0	0.25- 0.50
	2-5				
C Quackgrass control: <i>suppression of foxtail barley plus annual grasses listed above</i>	up to 3	2.7	N.A.	1.0-2.0	N.A.
	1-4				

* For band application adjust rate per hectare in relation to the band width (annual grasses only).

MERGE® should be added at the rate of at least 1% of the water volume used.

**** EASTERN CANADA ONLY. ASSIST®** can be substituted for **Merge** (at same rates) for the control of annual grasses listed in Section A above.

***Ensure adequate amount of water is added to **Poast + Merge** spray mixture before vigorous agitation.

MIXING:

1. When using **Poast** always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add to tank, if required (refer to instruction on tank mixtures) **Bladex® Liquid Herbicide** or **Muster®**. Agitate for 2 to 3 minutes.

Note: Always add **Muster** to clean water. When refilling the

tank for repeat spray applications of the same tank mix, add **Muster** to a small container of clean water, mix well to form a slurry, then add to the spray tank.

4. If required, add recommended broadleaf herbicides such as **Pursuit®**, **MCPA ester**, **Pardner®**, **Lontrel® 360** or **Buctril® M**.
5. Add the correct amount of **Poast**. Continue to agitate.
6. Add the correct amount of **Merge** along with the remaining amount of water necessary to fill the spray tank.
7. Continue to agitate or run the by-pass system.
8. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
9. If an oil film starts to build up in the tank, drain it and clean the tank with strong detergent solution.
10. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

Conventional Ground Application:

Use sprayers equipped with standard flat fan nozzles. The use of 80°-110° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

The use of flood jet or hollow cone nozzles is not recommended, because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 110 L/ha are used.

In general, use water volumes of 50 to 110 litres per hectare, and a minimum of 240 kPa pressure. For applications to dense weed infestations or to dense crop canopies (for example soybeans), use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa. For quackgrass control use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa.

For **Band Applications**, adjust rate per hectare in relation to the band width. Where quackgrass is a problem, band applications are not recommended. Use only broadcast applications for best results.

For **Aerial Application**, apply **Poast** using standard aircraft equipment (fixed wing or helicopter) and standard aerial spraying practices when weeds are in the suitable stages of growth for treatment. Crop canopy should not be so dense as to prevent spray from thoroughly covering weeds. Use 25 to 50 litres of water per hectare with pressure up to 200 kPa. Treat when wind is 3 to 15 kilometres per hour. Do not spray in winds above 10 km/hour within ½ hour of sunrise or sunset. Do not apply during periods of dead calm or when weather conditions may cause spray drift from target areas to adjacent cereals, grass, corn or other susceptible grass crops. Caution should be taken to shut off spray before pulling up over susceptible grass crops. Adhere to aerial application guidelines outlined in provincial crop recommendations.

TANK MIX COMBINATIONS:

Poast can be mixed with the following herbicides for broadleaf weed control (refer to instructions on **Mixing**). Do not delay spraying broadleaf weeds if grassy weeds are not in the correct stage for treatment. Use **Merge** only with all tank mixtures.

If annual grass weeds and broadleaf weeds are not in the correct stages for treatment, apply separate applications of each herbicide timed to control the required spectrum of weeds.

Allow 4 days between application of **Poast** and any other chemical not recommended as a tank mix combination on this label. Products registered as a tank mix with **Poast** can be applied immediately prior or following the application of **Poast**.

Apply **Poast** at 0.8-1.1 L/ha with the addition of **Merge** at 0.75-1.0 L/ha with the following broadleaf compounds for broad spectrum weed control in the following crops unless otherwise stated. Refer to the specific partner label for broadleaf weeds controlled and rates.

Always refer to the broadleaf herbicide label for precautions, use instructions and crop rotation restrictions.

RATE APPLICATION FOR TANK-MIXTURES WITH POAST PLUS MERGE

CROP	TANK MIX COMBINATIONS (Annual grasses only)
<p>Flax</p> <p>*including low linolenic acid varieties</p>	<p>BUCTRIL(R) M*, LONTREL(R) 360 , LONTREL(R) 360 + MCPA ester, MCPA ester, or PARDNER(R).</p> <p>Use Poast at 0.8-1.1 L/ha in mixture with the above mentioned broadleaf herbicides. Refer to respective broadleaf herbicide labels for use instructions.</p> <p>Some leaf burn and retarded growth may delay crop maturity. Some reduced grass control may be experienced with the above broadleaf tank-mixtures. Avoid application under humid and especially hot humid conditions. Caution should be taken to avoid non-uniform applications, e.g. over-lapping. Do not apply tank-mixtures during flowering.</p>
<p>Canola (Rapeseed)</p>	<p>Poast at 0.8-1.1 L/ha plus LONTREL(R) 360 at 0.42-0.83 L/ha for control of grasses and Canada thistle, wild buckwheat, perennial sow thistle (top growth suppression), and scentless chamomile.</p> <p>Refer to LONTREL(R) 360 label for use instructions.</p> <p>POAST at 0.8-1.1 L/ha plus MUSTER(R) at 20 or 30 g/ha for the control of grasses and broadleaf weeds in canola (rapeseed). Consult the MUSTER label for restrictions and desired use rates. When preparing the combination first add the required amount of MUSTER to the tank or container (see mixing instructions) of clean water such that a slurry is formed. Once the MUSTER is in suspension add the required amount of POAST, followed by the correct amount of MERGE. Additional surfactant is not required. For best results follow the timing restrictions and specific weed control recommendations stated on each label.</p> <p>Refer to MUSTER label for use instructions.</p>

<p>Triazine tolerant Rapeseed (OAC Triton variety only)</p>	<p>BLADEX(R) Liquid (or BLADEX TTC) at 3.0 L/ha for control of wild mustard, green smartweed, redroot pigweed, wild buckwheat, hempnettle, chickweed, stinkweed, cleavers, lamb's-quarters, common groundsel, shepherd's-purse, lady's-thumb and volunteer rapeseed (non-triazine tolerant). Some temporary crop injury (leaf burn) may occur. Recovery from leaf injury is normally complete after 7-10 days. Refer to Bladex label for use instructions.</p>
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Crop	Tank mix combinations (Annual grasses only)
<p>Dry Peas</p>	<p>PURSUIT at 1.0 L/ha for control of chickweed, cleavers, hempnettle, redroot pigweed*, smartweed, stinkweed, volunteer canola, wild buckwheat* and wild mustard. Use POAST at 1.1 L/ha plus MERGE at 1.0 L/ha with PURSUIT at 0.1 L/ha.</p> <p>PURSUIT at 0.21 L/ha for control of the above weeds plus shepherd's purse and partial control of lamb's-quarters. Use POAST at 1.1 L/ha plus MERGE at 1.0 L/ha with PURSUIT at 0.21 L/ha.</p> <p>Refer to PURSUIT label for recopping restrictions.</p>
<p>Imazethapyr Tolerant Canola (e.g. Canola varieties with the PURSUIT SMART trait).</p>	<p>PURSUIT at 1.0 L/ha for the control of chickweed, cleavers, redroot pigweed*, smartweed, stinkweed, volunteer canola, wild buckwheat* and wild mustard. Use POAST at 1.1 L/ha plus MERGE at 1.0 L/ha with PURSUIT at 0.10 L/ha.</p> <p>PURSUIT at 0.21 L/ha for control of the above weeds plus shepherd's purse and partial control of lamb's-quarters. Use POAST at 1.1 L/ha plus MERGE at 1.0 L/ha with PURSUIT at 0.21 L/ha.</p> <p>Refer to PURSUIT label for recropping restrictions.</p>

*For heavy infestations, use the 0.21 L/ha rate of **PURSUIT**.

RESTRICTIONS AND LIMITATIONS:

1. Use only for crops listed on this label.
2. When grasses are stressed due to drought, flooding, hot or prolonged cool temperatures (15° C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or low fertility. **Do not make applications to grasses stressed longer than 20 days due to lack of moisture, as unsatisfactory control can result.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of Poast as indicated on the 'Application Rate Table'.

3. Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.
4. Rainfall within one hour of application may reduce the effectiveness of the spray. (Refer to respective broadleaf herbicide labels for rain-fast recommendations for tank-mixtures).
5. Do not mix or apply **Poast** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.
6. Allow 4 days between application of **Poast** and any other chemical not recommended as a tank-mix combination on this label.
7. Allow a minimum of 14 days between application of **Poast** plus **Merge** and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.
8. **CAUTION: Do not graze the treated crop* or cut for hay; there are not sufficient data available to support such use.**

*Forage legumes indicated in the label may be cut for hay provided pre-harvest intervals are followed.

WARNING:

Injury to grass, cereal or corn crops and turf may occur if **Poast** is applied directly onto, or is allowed to drift onto, these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before re-use.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where run-off or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

In case of eye contact:

Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

If swallowed:

Give water or milk. DO NOT INDUCE VOMITING. Consult a physician immediately or contact a poison control centre.

If inhaled:

Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or contact a poison control centre.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

NOTICE TO USER:

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property arising from the use or handling of this product and accepts the product on that condition.

Assist® and Poast (R) are registered trademarks of BASF AG used under license by BASF Canada Inc.

®All other herbicides are registered trademarks of their respective companies.

97.01.21

POAST(R)

SUPPLEMENTAL LABEL

LIQUID EMULSIFIABLE HERBICIDE FOR POSTEMERGENCE CONTROL OF GRASSES IN CERTAIN BROADLEAF CROPS.

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Sethoxydim 184 g/L

REGISTRATION NO. 17502
PEST CONTROL PRODUCTS ACT

CAUTION **POISON**

READ THE LABEL BEFORE USING.

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

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GENERAL INFORMATION:

POAST is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats, volunteer cereals and quackgrass in Highbush Blueberries.

POAST does not control sedges or broadleaf weeds. This product does not provide residual weed control.

POAST is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment **Stop Growing** and undergo a burn-back and colour change first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Control of quackgrass develops more slowly than control of annual grasses. **POAST** is translocated through the quackgrass plant to the rhizomes and kills actively growing rhizome buds, as well as above ground vegetation. Dormant rhizome buds will remain unaffected by the spray and regrowth can occur from these buds. When **POAST** is applied according to label directions, the regrowth of the quackgrass will not be significant until 6-8 weeks after treatment, depending on growing conditions, crop cultivation practices and crop competition.

DIRECTIONS FOR USE:

a) **POAST at 0.8 L/ha**

POAST applied at 0.8 L/ha controls annual grasses listed below in the 1 to 6 leaf stage in all crops (see Section D).

1-6 leaf stage

Barnyard grass
Crabgrass (large)
Fall panicum,
Foxtail (green/yellow)
(wild millet)
Persian darnel
Proso millet
Volunteer corn
Witchgrass

Annual Grass Control

Apply **POAST** when the above listed annual grasses, not including wild oats and volunteer cereals, are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

In wide row crops (25 cm. or more in width) such as soybeans,

potatoes, and sugarbeets where the crop canopy may be slow to close, cultivation may be necessary to control annual grasses that emerge after treatment.

b) POAST at 1.4 L/ha

POAST applied at 1.4 L/ha controls annual grasses including volunteer cereals and wild oats up to the 6 leaf stage and additionally provides quackgrass suppression (Western Canada only):

1-6 leaf stage	1-6 leaf stage	2-5 leaf stage
Barnyard grass	Wild Oats	Quackgrass
Crabgrass (large)	Volunteer Barley	suppression
Fall panicum	Volunteer Wheat	(Western Canada
Foxtail (green/yellow)		only)
(wild millet)		
Persian darnel		
Proso millet		
Volunteer corn		
Witchgrass		

c) Poast at 4.4 L/ha

Annual grass, rice cutgrass and quackgrass control

1-6 leaf stage	1-6 leaf stage	1-3 leaf stage	1-3 leaf stage
Barnyard grass	Wild Oats		Quackgrass
Foxtail			
Crabgrass (large)	Volunteer Barley	control	barley
Fall panicum	Volunteer Wheat		(suppression)
Foxtail (green/yellow)			
(wild millet)			
Persian darnel			
Proso millet			
Volunteer corn			
Witchgrass			

Quackgrass

Apply Poast when quackgrass is actively growing up to the 3 leaf stage (8 to 12 cm in height). Use only on cultivated land where pre-plant tillage operations have been carried out to thoroughly fragment quackgrass roots. Where well established quackgrass exists,

thorough pre-plant cultivation to a depth of 10 cm is recommended to fragment quackgrass roots and provide uniform grass emergence for improved control. Depending on growing conditions and crop cultivation system, season-long control of quackgrass may not always be obtained. Competition of quackgrass is normally eliminated for at least 6 to 8 weeks. A cultivation no sooner than 7 days after treatment is recommended for wide row crops as an aid in providing control. When poor soil fertility(ie. low nitrogen) exists, quackgrass control may not be satisfactory.

Foxtail barley

Apply Poast for suppression of foxtail barley before foxtail barley has tillered.

d) **Crops**

Highbush Blueberries

e) **Crop recommendations**

CROP	MAXIMUM RATE (L/ha)	APPLICATION TO HARVEST INTERVAL (DAYS)
Highbush Blueberries	4.4	15

RATES OF POAST - ASSIST

Select one of the following treatments for control of grass species as listed below. **ASSIST(R)** must be added to all applications of **POAST**. (Refer to crop recommendations table for maximum rate permitted on crops.)

POAST - ASSIST APPLICATION RATE TABLE

Grass Species Controlled	Grass Leaf Stage	POAST* Rate (L/ha)	ASSIST** Rate (L/ha) Water by Volume	
			Ground Application Water (L/ha)	Volume (L/ha)
			50-110	110-200

A Annual grasses: Barnyard grass, Crabgrass (large), Fall panicum, Foxtail(green/yellow) , (Wild millet) Persian darnel, Proso millet, Volunteer corn, Witchgrass	1-6	0.8	0.50-1.0	2.0
B Annual grasses listed above including wild oats, volunteer cereals	1-6	1.4	0.50-1.0	2.0
Suppression of quackgrass (Western Canada only)	2-5			
C Quackgrass control	up to 3	4.4		2.0-4.0
Suppression of foxtail barley plus annual grasses listed above	1-4			

* For band application adjust rate per hectare in relation to the band width (annual grasses only).

ASSIST(R) should be added at the rate of at least 1% of the water volume used.

MIXING:

- 1) When using **POAST** always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
- 2) Fill clean spray tank half full with clean water. Start agitation system.
- 3) Add the correct amount of **POAST**. Continue to agitate.

- 4) Add the correct amount of **ASSIST** along with the remaining amount of water necessary to fill the spray tank.
- 5) Continue to agitate or run the by-pass system.
- 6) After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night.
- 7) If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
- 8) Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

Conventional Ground Application:

Use sprayers equipped with standard flat fan nozzles. The use of 800 - 110E stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45E forward to ensure better coverage.

THE USE OF FLOOD JET OR HOLLOW CONE NOZZLES IS NOT RECOMMENDED, BECAUSE OF UNEVEN AND INADEQUATE SPRAY COVERAGE. ENSURE THOROUGH AND UNIFORM SPRAY COVERAGE OVER THE ENTIRE LEAF AREA OF THE TARGET WEEDS.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 110 L/ha are used.

For applications to dense weed infestations or mint crops, use 100 to 175 litres of water per hectare at pressures of 275 to 425 kPa.

RESTRICTIONS AND LIMITATIONS:

1. Use only for crops listed on this label.
2. **When grasses are stressed due to drought, flooding, hot or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress**

conditions or low fertility. DO NOT MAKE APPLICATIONS TO GRASSES STRESSED LONGER THAN 20 DAYS DUE TO LACK OF MOISTURE, AS UNSATISFACTORY CONTROL CAN RESULT.

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of POAST as indicated on the 'Application Rate Table'.

3. Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.
 4. Rainfall within one hour of application may reduce the effectiveness of the spray. (Refer to respective broadleaf herbicide labels for rain-fast recommendations for tank mixtures).
 5. Do not mix or apply **POAST** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.
 6. Allow 4 days between application of **POAST** and any other chemical not recommended as a tank-mix combination on this label.
 7. Allow a minimum of 14 days between application of **POAST** plus **ASSIST** and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.
 8. Do not graze the treated crop* or cut for hay; there are not sufficient data available to support such use.
- * Forage legumes indicated in the label may be cut for hay providing pre-harvest intervals are followed.

WARNING:

Injury to grass, cereal or corn crops and turf may occur if **POAST** is applied directly onto, or is allowed drift onto, these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where run-off or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

IN CASE OF EYE CONTACT: Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

IN CASE OF SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

IF SWALLOWED: Give water or milk. **DO NOT INDUCE VOMITING.** Consult a physician immediately or contact a poison control centre.

IF INHALED: Remove person to fresh air. Assist breathing if necessary., Consult a physician immediately.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.

3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

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.

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.

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POAST(R)

SUPPLEMENTAL LABEL

LIQUID EMULSIFIABLE HERBICIDE FOR POSTEMERGENCE CONTROL OF
GRASSES IN CERTAIN BROADLEAF CROPS.

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Sethoxydim 184 g/L

REGISTRATION NO. 17502
PEST CONTROL PRODUCTS ACT

CAUTION **POISON**

READ THE LABEL BEFORE USING.

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

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GENERAL INFORMATION:

POAST is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats, volunteer cereals and quackgrass in Hops.

POAST does not control sedges or broadleaf weeds. This product does not provide residual weed control.

POAST is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment **Stop Growing** and undergo a burn-back and colour change first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Control of quackgrass develops more slowly than control of annual grasses. **POAST** is translocated through the quackgrass plant to the rhizomes and kills actively growing rhizome buds, as well as above ground vegetation. Dormant rhizome buds will remain unaffected by the spray and regrowth can occur from these buds. When **POAST** is

applied according to label directions, the regrowth of the quackgrass will not be significant until 6-8 weeks after treatment, depending on growing conditions, crop cultivation practices and crop competition.

DIRECTIONS FOR USE:

a) **POAST at 0.8 L/ha**

POAST applied at 0.8 L/ha controls annual grasses listed below in the 1 to 6 leaf stage in all crops (see Section D).

1-6 leaf stage

Barnyard grass
Crabgrass (large)
Fall panicum,
Foxtail (green/yellow)
(wild millet)
Persian darnel
Proso millet
Volunteer corn
Witchgrass

Annual Grass Control

Apply **POAST** when the above listed annual grasses, not including wild oats and volunteer cereals, are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

In wide row crops (25 cm. or more in width) such as soybeans, potatoes, and sugarbeets where the crop canopy may be slow to close, cultivation may be necessary to control annual grasses that emerge after treatment.

b) **POAST at 1.4 L/ha**

POAST applied at 1.4 L/ha controls annual grasses including volunteer cereals and wild oats up to the 5 leaf stage and additionally provides quackgrass suppression (Western Canada only):

**1-6 leaf
stage**

**1-6 leaf
stage**

**2-5 leaf
stage**

Barnyard grass

Wild Oats

Quackgrass

Crabgrass (large)	Volunteer Barley	suppression
Fall panicum	Volunteer Wheat	(Western Canada
Foxtail (green/yellow)		only)
(wild millet)		
Persian darnel		
Proso millet		
Volunteer corn		
Witchgrass		

c) **Poast at 4.4 L/ha**

Annual grass, rice cutgrass and quackgrass control

1-6 leaf stage	1-6 leaf stage	1-3 leaf stage	1-3 leaf stage
Barnyard grass	Wild Oats		Quackgrass
Foxtail			
Crabgrass (large)	Volunteer Barley	control	barley
Fall panicum	Volunteer Wheat		(suppression)
Foxtail (green/yellow)			
(wild millet)			
Persian darnel			
Proso millet			
Volunteer corn			
Witchgrass			

Quackgrass

Apply Poast when quackgrass is actively growing up to the 3 leaf stage (8 to 12 cm in height). Use only on cultivated land where pre-plant tillage operations have been carried out to thoroughly fragment quackgrass roots. Where well established quackgrass exists, thorough pre-plant cultivation to a depth of 10 cm is recommended to fragment quackgrass roots and provide uniform grass emergence for improved control. Depending on growing conditions and crop cultivation system, season-long control of quackgrass may not always be obtained. Competition of quackgrass is normally eliminated for at least 6 to 8 weeks. A cultivation no sooner than 7 days after treatment is recommended for wide row crops as an aid in providing control. When poor soil fertility (ie. low nitrogen) exists, quackgrass control may not be satisfactory.

Foxtail barley

Apply Poast for suppression of foxtail barley before foxtail barley has tillered.

d) **Crops**

Hops

e) **Crop recommendations**

CROP	MAXIMUM RATE (L/ha)	APPLICATION TO HARVEST INTERVAL (DAYS)
Hops	4.4	180

RATES OF POAST - ASSIST

Select one of the following treatments for control of grass species as listed below. **ASSIST(R)** must be added to all applications of **POAST**. (Refer to crop recommendations table for maximum rate permitted on crops.)

POAST - ASSIST APPLICATION RATE TABLE

Grass Species Controlled	Grass Leaf Stage	POAST* Rate (L/ha)	ASSIST** Rate (L/ha) Water by Volume	
			Ground Application Water (L/ha)	Volume (L/ha)
A Annual grasses: Barnyard grass, Crabgrass (large), Fall panicum, Foxtail(green/yellow), (Wild millet) Persian darnel, Proso millet, Volunteer corn, Witchgrass	1-6	0.8	0.50-1.0	2.0
B Annual grasses listed above including wild oats, volunteer cereals	1-6	1.4	0.50-1.0	2.0
Suppression of quackgrass (Western Canada only)	2-5			

C Quackgrass control	up to 3	4.4		2.0-4.0
Suppression of foxtail barley plus annual grasses listed above	1-4			

* For band application adjust rate per hectare in relation to the band width (annual grasses only).

ASSIST(R) should be added at the rate of at least 1% of the water volume used.

MIXING:

- 1) When using **POAST** always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
- 2) Fill clean spray tank half full with clean water. Start agitation system.
- 3) Add the correct amount of **POAST**. Continue to agitate.
- 4) Add the correct amount of **ASSIST** along with the remaining amount of water necessary to fill the spray tank.
- 5) Continue to agitate or run the by-pass system.
- 6) After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night.
- 7) If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
- 8) Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

Conventional Ground Application:

Use sprayers equipped with standard flat fan nozzles. The use of 80° - 110° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

THE USE OF FLOOD JET OR HOLLOW CONE NOZZLES IS NOT RECOMMENDED, BECAUSE OF UNEVEN AND INADEQUATE SPRAY COVERAGE. ENSURE THOROUGH AND UNIFORM SPRAY COVERAGE OVER THE ENTIRE LEAF AREA OF THE TARGET WEEDS.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 110 L/ha are used.

For applications to dense weed infestations or mint crops, use 100 to 175 litres of water per hectare at pressures of 275 to 425 kPa.

RESTRICTIONS AND LIMITATIONS:

1. Use only for crops listed on this label.
2. **When grasses are stressed due to drought, flooding, hot or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or low fertility. DO NOT MAKE APPLICATIONS TO GRASSES STRESSED LONGER THAN 20 DAYS DUE TO LACK OF MOISTURE, AS UNSATISFACTORY CONTROL CAN RESULT.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of POAST as indicated on the 'Application Rate Table'.

3. Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.
4. Rainfall within one hour of application may reduce the effectiveness of the spray. (Refer to respective broadleaf herbicide labels for rain-fast recommendations for tank mixtures).
5. Do not mix or apply **POAST** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.
6. Allow 4 days between application of **POAST** and any other

chemical not recommended as a tank-mix combination on this label.

7. Allow a minimum of 14 days between application of **POAST** plus **ASSIST** and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.
8. Do not graze the treated crop* or cut for hay; there are not sufficient data available to support such use.

* Forage legumes indicated in the label may be cut for hay providing pre-harvest intervals are followed.

WARNING:

Injury to grass, cereal or corn crops and turf may occur if **POAST** is applied directly onto, or is allowed drift onto, these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.

8. Do not apply where run-off or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

IN CASE OF EYE CONTACT: Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

IN CASE OF SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

IF SWALLOWED: Give water or milk. **DO NOT INDUCE VOMITING.** Consult a physician immediately or contact a poison control centre.

IF INHALED: Remove person to fresh air. Assist breathing if necessary., Consult a physician immediately.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and

the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

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.

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.

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21-JAN-1997

POAST(R)

SUPPLEMENTAL LABEL

LIQUID EMULSIFIABLE HERBICIDE FOR POSTEMERGENCE CONTROL OF GRASSES IN CERTAIN BROADLEAF CROPS.

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Sethoxydim 184 g/L

REGISTRATION NO. 17502
PEST CONTROL PRODUCTS ACT

CAUTION **POISON**

READ THE LABEL BEFORE USING.

BASF Canada Inc.
345 Carlingview Drive
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GENERAL INFORMATION:

POAST is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats, volunteer cereals and quackgrass in Cranberries.

POAST does not control sedges or broadleaf weeds. This product does not provide residual weed control.

POAST is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment **Stop Growing** and undergo a burn-back and colour change first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Control of quackgrass develops more slowly than control of annual grasses. **POAST** is translocated through the quackgrass plant to the rhizomes and kills actively growing rhizome buds, as well as above ground vegetation. Dormant rhizome buds will remain unaffected by the spray and regrowth can occur from these buds. When **POAST** is applied according to label directions, the regrowth of the quackgrass will not be significant until 6-8 weeks after treatment, depending on growing conditions, crop cultivation practices and crop competition.

DIRECTIONS FOR USE:

a) **POAST at 0.8 L/ha**

POAST applied at 0.8 L/ha controls annual grasses listed below in the 1 to 6 leaf stage in all crops (see Section D).

1-6 leaf stage

Barnyard grass

Crabgrass (large)

Fall panicum,

Foxtail (green/yellow)

(wild millet)
 Persian darnel
 Proso millet
 Volunteer corn
 Witchgrass

Annual Grass Control

Apply **POAST** when the above listed annual grasses, not including wild oats and volunteer cereals, are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

In wide row crops (25 cm. or more in width) such as soybeans, potatoes, and sugarbeets where the crop canopy may be slow to close, cultivation may be necessary to control annual grasses that emerge after treatment.

b) **POAST at 1.4 L/ha**

POAST applied at 1.4 L/ha controls annual grasses including volunteer cereals and wild oats up to the 6 leaf stage and additionally provides quackgrass suppression (Western Canada only):

1-6 leaf stage	1-6 leaf stage	2-5 leaf stage
Barnyard grass	Wild Oats	Quackgrass
Crabgrass (large)	Volunteer Barley	suppression
Fall panicum	Volunteer Wheat	(Western Canada
Foxtail (green/yellow)		only)
(wild millet)		
Persian darnel		
Proso millet		
Volunteer corn		
Witchgrass		

c) **Poast at 4.4 L/ha**

Annual grass, rice cutgrass and quackgrass control

1-6 leaf stage	1-6 leaf stage	1-3 leaf stage	1-3 leaf stage
Barnyard grass	Wild Oats	Quackgrass	
Foxtail			

Crabgrass (large)	Volunteer Barley	control	barley
Fall panicum	Volunteer Wheat		(suppression)
Foxtail (green/yellow)			
(wild millet)			
Persian darnel		3-5 leaf	
Proso millet		stage	
Volunteer corn			
Witchgrass		Rice cutgrass	

Quackgrass

Apply Poast when quackgrass is actively growing up to the 3 leaf stage (8 to 12 cm in height). Use only on cultivated land where pre-plant tillage operations have been carried out to thoroughly fragment quackgrass roots. Where well established quackgrass exists, thorough pre-plant cultivation to a depth of 10 cm is recommended to fragment quackgrass roots and provide uniform grass emergence for improved control. Depending on growing conditions and crop cultivation system, season-long control of quackgrass may not always be obtained. Competition of quackgrass is normally eliminated for at least 6 to 8 weeks. A cultivation no sooner than 7 days after treatment is recommended for wide row crops as an aid in providing control. When poor soil fertility (ie. low nitrogen) exists, quackgrass control may not be satisfactory.

Foxtail barley

Apply Poast for suppression of foxtail barley before foxtail barley has tillered.

d) **Crops**

Cranberries

e) **Crop recommendations**

CROP	MAXIMUM RATE (L/ha)	APPLICATION TO HARVEST INTERVAL (DAYS)
Cranberries	4.4	100

RATES OF POAST - ASSIST

Select one of the following treatments for control of grass species as listed below. **ASSIST**(R) must be added to all applications of **POAST**. (Refer to crop recommendations table for maximum rate

permitted on crops.)

POAST - ASSIST APPLICATION RATE TABLE

Grass Species Controlled	Grass Leaf Stage	POAST* Rate (L/ha)	ASSIST** Rate (L/ha) Water by Volume	
			Ground Application Water 50-110 (L/ha)	Volume 110-200 (L/ha)
A Annual grasses: Barnyard grass, Crabgrass (large), Fall panicum, Foxtail (green/yellow), (Wild millet) Persian darnel, Proso millet, Volunteer corn, Witchgrass	1-6	0.8	0.50-1.0	2.0
B Annual grasses listed above including wild oats, volunteer cereals	1-6	1.4	0.50-1.0	2.0
Suppression of quackgrass (Western Canada only)	2-5			
C Quackgrass control	up to 3	4.4		2.0-4.0
Rice cutgrass control	3-5			
Suppression of foxtail barley plus annual grasses listed above	1-4			

* For band application adjust rate per hectare in relation to the band width (annual grasses only).

ASSIST(R) should be added at the rate or at least 1% of the water volume used.

MIXING:

- 1) When using **POAST** always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
- 2) Fill clean spray tank half full with clean water. Start agitation system.
- 3) Add the correct amount of **POAST**. Continue to agitate.
- 4) Add the correct amount of **ASSIST** along with the remaining amount of water necessary to fill the spray tank.
- 5) Continue to agitate or run the by-pass system.
- 6) After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night.
- 7) If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
- 8) Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

Conventional Ground Application:

Use sprayers equipped with standard flat fan nozzles. The use of 80° - 110E stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45E forward to ensure better coverage.

THE USE OF FLOOD JET OR HOLLOW CONE NOZZLES IS NOT RECOMMENDED, BECAUSE OF UNEVEN AND INADEQUATE SPRAY COVERAGE. ENSURE THOROUGH AND UNIFORM SPRAY COVERAGE OVER THE ENTIRE LEAF AREA OF THE TARGET WEEDS.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 110 L/ha are used.

For applications to dense weed infestations or mint crops, use 100 to 175 litres of water per hectare at pressures of 275 to 425 kPa.

RESTRICTIONS AND LIMITATIONS:

1. Use only for crops listed on this label.
2. When grasses are stressed due to drought, flooding, hot or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or low fertility. **DO NOT MAKE APPLICATIONS TO GRASSES STRESSED LONGER THAN 20 DAYS DUE TO LACK OF MOISTURE, AS UNSATISFACTORY CONTROL CAN RESULT.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of **POAST** as indicated on the 'Application Rate Table'.

3. Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.
 4. Rainfall within one hour of application may reduce the effectiveness of the spray. (Refer to respective broadleaf herbicide labels for rain-fast recommendations for tank mixtures).
 5. Do not mix or apply **POAST** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.
 6. Allow 4 days between application of **POAST** and any other chemical not recommended as a tank-mix combination on this label.
 7. Allow a minimum of 14 days between application of **POAST** plus **ASSIST** and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.
 8. Do not graze the treated crop* or cut for hay; there are not sufficient data available to support such use.
- * Forage legumes indicated in the label may be cut for hay providing pre-harvest intervals are followed.

WARNING:

Injury to grass, cereal or corn crops and turf may occur if **POAST** is applied directly onto, or is allowed drift onto, these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where run-off or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

IN CASE OF EYE CONTACT: Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

IN CASE OF SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

IF SWALLOWED: Give water or milk. **DO NOT INDUCE VOMITING.** Consult a physician immediately or contact a poison control centre.

IF INHALED: Remove person to fresh air. Assist breathing if necessary., Consult a physician immediately.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

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.

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.

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ASSIST(R) is a registered trademark of BASF AG used under license by BASF Canada Inc.

98.02.06

POAST(R)

SUPPLEMENTAL LABEL

LIQUID EMULSIFIABLE HERBICIDE

**FOR POSTEMERGENCE CONTROL OF GRASSES IN SETHOXYDIM TOLERANT
FIELD CORN, INCLUDING CORN HYBRIDS DESIGNATED WITH "SR"**

COMMERCIAL (AGRICULTURAL)

GUARANTEE:

Sethoxydim.....184 g/L

**REGISTRATION NO. 17502
PEST CONTROL PRODUCTS ACT**

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING.

CAUTION POISON

NET CONTENTS: 7 L

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

POAST(R) is a registered trademark of BASF AG used under license by BASF Canada Inc.

SR (TM) is a trademark of BASF Corporation used under license by BASF Canada Inc.

Agricultural Products
BASF

GENERAL INFORMATION:

POAST is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats and volunteer cereals in sethoxydim tolerant corn eg. corn hybrids designated with "SR".

POAST does not control sedges or broadleaf weeds. This product does not provide residual weed control.

POAST is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment STOP GROWING and undergo a burn-back and colour change, first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Only sethoxydim tolerant field corn hybrids are tolerant to POAST applications. Severe crop injury will occur to field corn hybrids not labelled as "SR".

Timing of Application:

a) Annual grasses

Apply **POAST** when foxtail (green and yellow), barnyard grass, crabgrass, proso millet, fall panicum, wild oats, volunteer cereals and other annual grasses are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

RATES OF POAST:

Use the required rates of **POAST** for control of the following species:

**POAST Application Rate Table in sethoxydim tolerant corn
eg. corn hybrids designated with "SR"**

Grass Species GROUP Controlled	Optimum Grass Leaf Stage	Grass Plant Height (cm)	Product Rate (L/ha)
A Green and yellow foxtail (wild millet), barnyard grass, large crabgrass, proso millet, fall panicum, witchgrass, Persian darnel; for extremely heavy infestations of these annual grasses, use 1 L/ha rate.	2-5	10-15	0.8
B Wild oats, volunteer cereals (plus annual grasses listed above)	2-5	10-15	1.1

CROP	TANK MIX COMBINATIONS (for annual grasses and broadleaf weeds only)
sethoxydim tolerant corn including corn hybrids designated with "SR"	POAST can be tank mixed with LADDOK plus ASSIST at 2 L/ha in sethoxydim tolerant corn for control of broadleaf weeds.

POAST + LADDOK TANK MIXTURE APPLICATION RATE TABLE

Broadleaf Weeds	Recommended treatment height in centimetres	LADDOK rates when tank mixed with POAST
Bird rape*	5.0-10.0	3.0
Buttercup	5.0-10.0	4.0

Chickweed (Common)	1 to 3 weeks after emergence	4.0
Cocklebur	7.5-17.5 17.5-30.0	3.0 4.0
Corn spurry	2.5-10.0	4.0
Flower-of-an-hour (Venice mallow)	2.5-5.0 5.0-10.0	3.0 4.0
Galinsoga (Hairy)	5.0-7.5	4.0
Groundsel (Common)*	5.0-10.0	4.0
Jimsonweed	5.0-15.0	4.0
Lady's thumb (Smartweed)	2.5-20.0	2.5
Lamb's-quarters*	2.0-10.0	2.5
Low cudweed	2.5-5.0	4.0
Mustard (Wild)	2.5-12.5 12.5-25.0	3.0 4.0
Nightshade (Black)	0.5-2.0	2.5
Pigweed (Redroot)*	1.5-4.0	2.5
Purslane	2.5-5.0	4.0
Ragweed (Common)*	2.5-7.5	2.5
Ragweed (Giant)	5.0-15.0	4.0
Thistle (Russian)	2.5-7.5	4.0
Velvetleaf (Buttonweed)	5.0-15.0	2.5
Perennial weeds - Repeat application		
Yellow Nutsedge	10.0-15.0	3 - 4 litres (Repeat in 7 to 10 days, if necessary)

BASAGRAN liquid herbicide may be used for the second application.
See **BASAGRAN** label for details.

***Triazine** resistant strains of these weeds are controlled by **LADDOK**.

ADDITIVES:

ASSIST® OIL CONCENTRATE MUST BE ADDED TO ALL APPLICATIONS OF **POAST**. Use water volume 110 to 200 litres per hectare.

MIXING:

1. When using Poast always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add to tank, if required (refer to instruction on tank mixtures) the correct amount of Laddok. Continue to agitate.
4. Add the correct amount of **POAST**. Continue to agitate.
5. Add the correct amount of **ASSIST Oil Concentrate**, along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night. In the case of tank mixtures with broadleaf herbicide, settling will occur if agitation is not continuous.
8. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
9. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

For **GROUND APPLICATION**, use sprayers equipped with standard flat fan nozzles. The use of 80° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

The use of flood jet or hollow cone nozzles is not recommended, because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 110 L/ha are used.

In general, use water volumes of 50 to 110 litres per hectare and a minimum of 240 kPa pressure. For applications to dense weed infestations or to dense crop canopies, use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa. For quackgrass control use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa.

RESTRICTIONS AND LIMITATIONS:

1. Do not apply **POAST** to corn hybrids which are not specifically labelled as sethoxydim tolerant corn eg. corn hybrids designated with "SR" because severe crop injury will occur.
2. Over-the-top applications of **POAST** in sethoxydim tolerant corn eg. corn hybrids designated with "SR" may be made until the onset of pollen shed. Do not apply **POAST** after pollination occurs.
3. Do not apply **POAST** to sethoxydim tolerant corn eg. corn hybrids designated with "SR" within 90 days of harvest of corn grain or fodder.

Do not apply **POAST** to sethoxydim tolerant corn eg. corn hybrids designated with "SR" within 45 days of harvest of corn forage/silage.

4. When grasses are stressed due to drought, flooding or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or low fertility. **DO NOT MAKE APPLICATIONS TO GRASSES STRESSED LONGER THAN 20 DAYS DUE TO LACK OF MOISTURE AS UNSATISFACTORY CONTROL CAN RESULT.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of **POAST** as indicated on the Application Rate Table.

Thorough pre-plant tillage operations are required to fields where

sod or forage grass crops may have grown in the previous year.

5. Rainfall within one hour of application may reduce the effectiveness of the spray. Refer to broadleaf herbicide labels for rainfall recommendations for tankmixes.

6. Do not mix or apply **POAST** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.

7. Allow a minimum of 4 days between application of **POAST** and any other chemical.

8. Allow a minimum of 14 days between application of **POAST** plus **ASSIST** and replanting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.

9. Do not graze the treated crop, there are not sufficient data available to support such use.

WARNING:

Injury to grass, cereal or non-sethoxydim tolerant corn eg. corn hybrids designated with "SR" crops and turf may occur if **POAST** is applied directly on or is allowed to drift onto these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.

2. Do not take internally.

3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.

4. Wash thoroughly after handling and before eating, drinking or smoking.

5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.

6. If clothing becomes contaminated, remove and wash separate from

household laundry before reuse.

7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.

8. Do not apply where runoff or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

In case of eye contact:

Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

If swallowed:

Give water or milk. **DO NOT INDUCE VOMITING.** Consult a physician immediately or contact a poison control centre.

If inhaled:

Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or contact a poison control centre.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.

2. Do not ship or store near food, feed, seed or fertilizers.

3. Store in cool, dry, locked, well-ventilated area without floor drain.

4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse emptied container thoroughly and add the rinsings to the spray mixture in the tank.

2. Follow provincial instructions for any required additional

cleaning of the container prior to its disposal.

3. Make the empty container unsuitable for further use.

4. Dispose of the container in accordance with provincial requirements.

5. For information on the disposal of unused, unwanted product and the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

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.

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.

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98.06.23

SR™ CORN HYBRIDS

POAST(R)

SUPPLEMENTAL LABEL

LIQUID EMULSIFIABLE HERBICIDE

FOR POSTEMERGENCE CONTROL OF GRASSES IN SETHOXYDIM TOLERANT
FIELD CORN, INCLUDING CORN HYBRIDS DESIGNATED WITH "SR"

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Sethoxydim 184 g/L

REGISTRATION NO. 17502

PEST CONTROL PRODUCTS ACT

CAUTION

POISON

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING.

NET CONTENTS: 7 L

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

POAST(R) is a registered trademark of BASF AG used under licensed by BASF Canada Inc.

SR(TM) is a trademark of BASF Corporation used under license by BASF Canada Inc. Agricultural Products

Agricultural Products
BASF

GENERAL INFORMATION:

POAST is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats and volunteer cereals in sethoxydim tolerant corn eg. corn hybrids designated with "SR".

POAST does not control sedges or broadleaf weeds. This product does not provide residual weed control.

POAST is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment STOP GROWING and undergo a burn-back and colour change, first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Only sethoxydim tolerant field corn hybrids are tolerant to POAST

applications. Severe crop injury will occur to field corn hybrids not labelled as "SR".

Timing of Application:

a) Annual grasses

Apply **POAST** when foxtail (green and yellow), barnyard grass, crabgrass, proso millet, fall panicum, wild oats, volunteer cereals and other annual grasses are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

RATES OF POAST:

Use the required rates of **POAST** for control of the following species:

**POAST Application Rate Table in sethoxydim tolerant corn
eg. corn hybrids designated with "SR"**

Grass Species	Optimum Grass Leaf Stage	Height Plant Height (cm)	Product Rate (L/ha)
GROUP Controlled			
A			
Green and yellow foxtail (wild millet), barnyard grass, large crabgrass, proso millet, fall panicum, witchgrass, Persian darnel; for extremely heavy infestations of these annual grasses, use 1 L/ha rate.	2 - 5	10 - 15	0.8
B			
Wild oats,	2 - 5	10 - 15	1.1

volunteer cereals
(plus annual
grasses listed
above)

CROP

TANK MIX COMBINATIONS (for annual grasses and broadleaf weeds only)

sethoxydim tolerant POAST can be tank mixed with LADDOK plus corn including ASSIST at 2 L/ha in sethoxydim tolerant corn hybrids designated corn for control of broadleaf weeds. with "SR"

POAST + LADDOK TANK MIXTURE APPLICATION RATE TABLE

Broadleaf Weeds	Recommended treatment height in centimetres	LADDOK rates when tank mixed with POAST
Bird rape*	5.0 - 10.0	3.0
Buttercup	5.0 - 10.0	4.0
Chickweed (Common)	1 to 3 weeks after emergence	4.0
Cocklebur	7.5 - 17.5 17.5 - 30.0	3.0 4.0
Corn spurry	2.5 - 10.0	4.0
Flower-of-an-hour (Venice mallow)	2.5 - 5.0 5.0 - 10.0	3.0 4.0
Galinsoga (Hairy)	5.0 - 7.5	4.0
Groundsel (Common)*	5.0 - 10.0	4.0
Jimsonweed	5.0 - 15.0	4.0
Lady's thumb (Smartweed)	2.5 - 20.0	2.5
Lamb's-quarters*	2.0 - 10.0	2.5
Low cudweed	2.5 - 5.0	4.0
Mustard (Wild)	2.5 - 12.5 12.5 - 25.0	3.0 4.0
Nightshade (Black)	0.5 - 2.0	2.5
Pigweed (Redroot)*	1.5 - 4.0	2.5
Purslane	2.5 - 5.0	4.0
Ragweed (Common)*	2.5 - 7.5	2.5
Ragweed (Giant)	5.0 - 15.0	4.0
Thistle (Russian)	2.5 - 7.5	4.0
Velvetleaf (Buttonweed)	5.0 - 15.0	2.5
Perennial weeds - Repeat application		
Yellow Nutsedge	10.0 - 15.0	3 - 4 litres (Repeat in 7 to 10 days, if necessary)

BASAGRAN liquid herbicide may be used for the second application. See **BASAGRAN** label for details.

***Triazine** resistant strains of these weeds are controlled by **LADDOK**.

ADDITIVES:

ASSIST(R) OIL CONCENTRATE MUST BE ADDED TO ALL APPLICATIONS OF **POAST**. Use water volume 110 to 200 litres per hectare.

MIXING:

1. When using Poast always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add to tank, if required (refer to instructions on tank mixtures) the correct amount of Laddok. Continue to agitate.
4. Add the correct amount of **POAST**. Continue to agitate.
5. Add the correct amount of **ASSIST Oil Concentrate**, along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night. In the case of tank mixtures with broadleaf herbicide, settling will occur if agitation is not continuous.
8. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
9. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water volume and Spray Pressure

For **GROUND APPLICATION**, use sprayers equipped with standard flat fan nozzles. The use of 80° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

The use of flood jet or hollow cone nozzles is not recommended, because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 110 L/ha are used.

In general, use water volumes of 50 to 110 litres per hectare and a minimum of 240 kPa pressure. For applications to dense weed infestations or to dense crop canopies, use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa. For quackgrass control use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa.

RESTRICTIONS AND LIMITATIONS:

1. Do not apply **POAST** to corn hybrids which are not specifically labelled as sethoxydim tolerant corn eg. corn hybrids designated with "SR" because severe crop injury will occur.
2. Over-the-top applications of **POAST** in sethoxydim tolerant corn eg. corn hybrids designated with "SR" may be made until the onset of pollen shed. Do not apply **POAST** after pollination occurs.
3. Do not apply **POAST** to sethoxydim tolerant corn e.g. corn hybrids designated with "SR" within 90 days of harvest of corn grain or fodder.

Do not apply **POAST** or sethoxydim tolerant corn e.g. corn hybrids designated with "SR" within 45 days of harvest of corn forage/silage.

4. When grasses are stressed due to drought, flooding or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or

low fertility. **DO NOT MAKE APPLICATIONS TO GRASSES STRESSED LONGER THAN 20 DAYS DUE TO LACK OF MOISTURE AS UNSATISFACTORY CONTROL CAN RESULT.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of **POAST** as indicated on the Application Rate Table.

Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.

5. Rainfall within one hour of application may reduce the effectiveness of the spray. Refer to broadleaf herbicide labels for rainfast recommendations for tankmixes.
6. Do not mix or apply **POAST** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.
7. Allow a minimum of 4 days between application of **POAST** and any other chemical.
8. Allow a minimum of 14 days between application of **POAST** plus **ASSIST** and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.
9. Do not graze the treated crop, there are not sufficient data available to support such use.

WARNING:

Injury to grass, cereal or non-sethoxydim tolerant corn eg. corn hybrids designated with "SR" crops and turf may occur if **POAST** is applied directly on or is allowed to drift onto these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.

2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour, dust, or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long-sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where runoff or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

IN CASE OF EYE CONTACT: Flush immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

IN CASE OF SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

IF SWALLOWED: Give water or milk. DO NOT INDUCE VOMITING. Consult a physician immediately or contact a poison control centre.

IF INHALED: Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or contact a poison control centre.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.

2. Do not ship or store near food, feed, seed or fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 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.

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.

ASSIST(R) and **LADDOK(R)** are registered trademarks of BASF AG used under license by BASF Canada Inc.

25-MAR-1999

POAST(R)

SUPPLEMENTAL LABEL

LIQUID EMULSIFIABLE HERBICIDE

FOR POSTEMERGENCE CONTROL OF GRASSES IN CERTAIN BROADLEAF CROPS.

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Sethoxydim 184 g/L

REGISTRATION NO. 17502
PEST CONTROL PRODUCTS ACT

CAUTION POISON

READ THE LABEL BEFORE USING.

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

POAST(R) is a registered trademark of BASF AG used under licensed by BASF Canada Inc.

MERGE® is a registered trademark of BASF Canada Inc.

GENERAL INFORMATION:

POAST is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats, volunteer cereals and quackgrass in sweet potato, pumpkin and squash.

POAST does not control sedges or broadleaf weeds. This product does not provide residual weed control.

POAST is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment

STOP GROWING and undergo a burn-back and colour change, first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Control of quackgrass develops more slowly than control of annual grasses. **POAST** is translocated through the quackgrass plant to the rhizomes and kills actively growing rhizome buds, as well as above ground vegetation. Dormant rhizome buds will remain unaffected by the spray and regrowth can occur from these buds. When **POAST** is applied according to label directions, the regrowth of the quackgrass will not be significant until 6-8 weeks after treatment, depending on growing conditions, crop cultivation practices and crop competition.

DIRECTIONS FOR USE:

a) POAST at 0.8 L/ha

POAST applied at 0.8 L/ha controls annual grasses listed below in the 1 to 6 leaf stage in all crops (see Section D).

1-6 leaf stage

Barnyard grass
Crabgrass (large)
Fall panicum,
Foxtail (green/yellow)
(wild millet)
Persian darnel
Proso millet
Volunteer corn
Witchgrass

Annual Grass Control

Apply **POAST** when the above listed annual grasses, not including wild oats and volunteer cereals, are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

In wide row crops (25 cm or more in width) such as soybeans, potatoes, and sugar beets where the crop canopy may be slow to close, cultivation may be necessary to control annual grasses that emerge after treatment.

b) POAST at 1.1 L/ha

POAST applied at 1.1 L/ha controls annual grasses including volunteer cereals and wild oats up to the 6 leaf stage and additionally provides quackgrass suppression (Western Canada only):

1-6 leaf stage	1-6 leaf stage	2-5 leaf stage
Barnyard grass Crabgrass (large) Fall panicum Foxtail (green/yellow) (wild millet) Persian darnel Proso millet Volunteer corn Witchgrass	Wild Oats Volunteer Barley Volunteer Wheat	Quackgrass suppression (Western Canada only)

c) Poast at 2.7 L/ha

Annual grass, quackgrass control and foxtail barley suppression:

1-6 leaf stage	1-6 leaf stage	1-3 leaf stage	1-6 leaf stage
Barnyard grass Foxtail Crabgrass (large) Fall panicum Foxtail (green/yellow) (wild millet) Persian darnel Proso millet Volunteer corn Witchgrass	Wild Oats Volunteer Barley Volunteer Wheat	control	Quackgrass barley (suppression)

Quackgrass

Apply **Poast** when quackgrass is actively growing up to the 3 leaf stage (8 to 12 cm in height). Use only on cultivated land where pre-plant tillage operations have been carried out to thoroughly fragment quackgrass roots. Where well established quackgrass exists, thorough pre-plant cultivation to a depth of 10 cm is recommended to fragment quackgrass roots and provide uniform grass emergence for improved control. Depending on growing conditions and crop

cultivation system, season-long control of quackgrass may not always be obtained. Competition of quackgrass is normally eliminated for at least 6 to 8 weeks. A cultivation no sooner than 7 days after treatment is recommended for wide row crops as an aid in providing control. When poor soil fertility(ie. low nitrogen) exists, quackgrass control may not be satisfactory.

Foxtail barley

Apply **Poast** for suppression of foxtail barley before foxtail barley has tillered.

d) Crops

Sweet potato, pumpkin and squash.

e) Crop recommendations

CROP	MAXIMUM RATE (L/ha)	APPLICATION TO HARVEST INTERVAL (DAYS)
Sweet potato	2.7	30
Pumpkin	2.7	30
Squash	2.7	30

RATES OF POAST - MERGE

Select one of the following treatments for control of grass species as listed below. **MERGE(R)** must be added to all applications of **POAST**, including tank mixtures with broadleaf herbicides. (Refer to crop recommendations table for maximum rate permitted on crops, especially buckwheat, snap common beans, herbs, and seedling forage legumes [except seedling alfalfa]).

POAST - MERGE APPLICATION RATE TABLE

Grass Species Controlled	Grass Leaf Stage	POAST* Rate (L/ha)	MERGE** Rate (L/ha) by Water Volume:
			Ground Application Water Volume 110-200 (L/ha)

<p>A Annual grasses: Barnyard grass, Crabgrass (large), Fall panicum, Foxtail (green/yellow), (Wild millet) Persian darnel, Proso millet, Volunteer corn, Witchgrass</p> <p>Wild oats and volunteer cereals (Canola, flax (including low linolenic acid varieties) and peas only)</p>	<p>1-6</p> <p>1-4</p>	<p>0.8</p>	<p>1.0</p>
<p>B Annual grasses listed above including wild oats, volunteer cereals</p> <p>Suppression of quackgrass (Western Canada only)</p>	<p>1-6</p> <p>2-5</p>	<p>1.1</p>	<p>1.0</p>
<p>C Quackgrass control: suppression of foxtail barley plus annual grasses listed above</p>	<p>up to 3</p> <p>1-4</p>	<p>2.7</p>	<p>1.0-2.0</p>

* For band application adjust rate per hectare in relation to the band width (annual grasses only).

MERGE® should be added at the rate of at least 1% of the water volume used.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

Conventional Ground Application:

Use sprayers equipped with standard flat fan nozzles. The use of 80°-110° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

The use of flood jet or hollow cone nozzles is not recommended, because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 50 to 100 L/ha are used.

For applications to dense weed infestations or to dense crop canopies (for example soybeans), use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa. For quackgrass control use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa.

MIXING:

1. When using **Poast** always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add the correct amount of **POAST**. Continue to agitate.
4. Add the correct amount of **MERGE** along with the remaining amount of water necessary to fill the spray tank.
5. Continue to agitate or run the by-pass system.
6. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
7. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.

8. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

RESTRICTIONS AND LIMITATIONS:

1. Use only for crops listed on this label.
2. **When grasses are stressed due to drought, flooding, hot or prolonged cool temperatures (15° C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or low fertility. Do not make applications to grasses stressed longer than 20 days due to lack of moisture, as unsatisfactory control can result.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of Poast as indicated on the 'Application Rate Table'.

3. Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.
4. Rainfall within one hour of application may reduce the effectiveness of the spray. (Refer to respective broadleaf herbicide labels for rain-fast recommendations for tank-mixtures).
5. Do not mix or apply **Poast** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.
6. Allow 4 days between application of **Poast** and any other chemical not recommended as a tank-mix combination on this label.
7. Allow a minimum of 14 days between application of **Poast** plus Merge and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.
8. **CAUTION:** Do not graze the treated crop* or cut for hay; there are not sufficient data available to support such use.

*Forage legumes indicated in the label may be cut for hay provided pre-harvest intervals are followed.

WARNING:

Injury to grass, cereal or corn crops and turf may occur if **Poast** is applied directly onto, or is allowed drift onto, these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where run-off or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

In case of eye contact:

Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

If swallowed:

Give water or milk. **DO NOT INDUCE VOMITING.** Consult a physician immediately or contact a poison control centre.

If inhaled:

Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or consult a poison control centre.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offense under the **PEST CONTROL PRODUCTS ACT** to use a control product under unsafe conditions.

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.

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2000.04.06

POAST(R)

SUPPLEMENTAL LABEL

SR CORN HYBRIDS

LIQUID EMULSIFIABLE HERBICIDE

**FOR POSTEMERGENCE CONTROL OF GRASSES IN
SETHOXYDIM TOLERANT FIELD CORN,
INCLUDING CORN HYBRIDS DESIGNATED WITH "SR"**

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Sethoxydim 184 g/L

REGISTRATION NO. 17502

PEST CONTROL PRODUCTS ACT

CAUTION

POISON

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

NET CONTENTS: 7 L

BASF Canada Inc.
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

POAST(R) is a registered trademark of BASF AG used under licensed by BASF Canada Inc.

SR™ is a trademark of BASF Corporation used under license by BASF Canada Inc.

GENERAL INFORMATION:

Poast is a liquid emulsifiable concentrate herbicide for postemergence control of annual grasses, wild oats and volunteer cereals in sethoxydim tolerant corn eg. corn hybrids designated with "SR".

Poast does not control sedges or broadleaf weeds. This product does not provide residual weed control.

Poast is a contact and a systemic herbicide. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Once treated, susceptible grasses that were actively growing prior to treatment Stop Growing and undergo a burn-back and colour change first to a yellowish, then purplish and finally a brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions and crop competition.

Only sethoxydim tolerant field corn hybrids are tolerant to POAST applications. Severe crop injury will occur to field corn hybrids not labelled as "SR".

Timing of Application:

a)Annual grasses

Apply **POAST** when foxtail (green and yellow), barnyard grass, crabgrass, proso millet, fall panicum, wild oats, volunteer cereals and other annual grasses are in the 1 to 6 leaf stage. Most effective control is achieved when application is made at the 2 to 5 leaf stage when annual grasses are small and actively growing, soil moisture is good, and the crop is small enough to permit thorough spray coverage.

RATES OF POAST:

Use the required rates of **POAST** for control of the following species:

**POAST Application Rate Table in sethoxydim tolerant corn
eg. corn hybrids designated with "SR"**

Grass Species GROUP Controlled	Optimum Grass Leaf Stage	Grass Plant Height (cm)	Product Rate (L/ha)
A Green and yellow foxtail (wild millet), barnyard grass, large crabgrass, proso millet, fall panicum, witchgrass, Persian darnel; for extremely heavy infestations of these annual grasses, use 1 L/ha rate.	2-5	10-15	0.8
B Wild oats, volunteer cereals (plus annual grasses listed above)	2-5	10-15	1.1

TANK MIX COMBINATIONS:

Poast can be mixed with **LADDOK** or **MARKSMAN** plus **ASSIST** at 2 L/ha in sethoxydim tolerant corn, including corn hybrids designated with "SR" for control of broadleaf and annual grass weeds. See Application Rate Tables below for broadleaf weeds controlled.

POAST + LADDOK TANK MIXTURE APPLICATION RATE TABLE

Broadleaf Weeds	Recommended treatment height in centimetres	LADDOK rates when tank mixed with POAST
Bird rape*	5.0-10.0	3.0
Buttercup	5.0-10.0	4.0
Chickweed (Common)	1 to 3 weeks after emergence	4.0
Cocklebur	7.5-17.5 17.5-30.0	3.0 4.0

Corn spurry	2.5-10.0	4.0
Flower-of-an-hour (Venice mallow)	2.5-5.0 5.0-10.0	3.0 4.0
Galinsoga (Hairy)	5.0-7.5	4.0
Groundsel (Common)*	5.0-10.0	4.0
Jimsonweed	5.0-15.0	4.0
Lady's thumb (Smartweed)	2.5-20.0	2.5
Lamb's-quarters*	2.0-10.0	2.5
Low cudweed	2.5-5.0	4.0
Mustard (Wild)	2.5-12.5 12.5-25.0	3.0 4.0
Nightshade (Black)	0.5-2.0	2.5
Pigweed (Redroot)*	1.5-4.0	2.5
Purslane	2.5-5.0	4.0
Ragweed (Common)*	2.5-7.5	2.5
Ragweed (Giant)	5.0-15.0	4.0
Thistle (Russian)	2.5-7.5	4.0
Velvetleaf (Buttonweed)	5.0-15.0	2.5
Perennial weeds - Repeat application		
Yellow Nutsedge	10.0-15.0	3 - 4 litres (Repeat in 7 to 10 days, if necessary)

BASAGRAN liquid herbicide may be used for the second application.

See **BASAGRAN** label for details.

***Triazine** resistant strains of these weeds are controlled by **LADDOK**.

POAST + MARKSMAN TANK MIXTURE APPLICATION RATE TABLE

RATE: 3.7 L/ha

SOIL TEXTURE: Coarse (sand, sandy loam)
CROP STAGE: Up to 5-leaf stage
BROADLEAF WEEDS
Buckwheat, <i>Tartary</i>
Buckwheat, <i>wild</i>
Cleavers
Corn spurry
Cow cockle
Field bindweed**
Green smartweed
Lady's-thumb
Lamb's-quarters*
Mustard, <i>hare's-ear</i>
Mustard, <i>Indian</i>
Mustard, <i>tumble</i>
Mustard, <i>wild</i>
Mustard, <i>wormseed</i>
Pigweed, <i>redroot</i> *
Pigweed, <i>Russian</i>
Ragweed, <i>common</i> *
Ragweed, <i>false</i>
Ragweed, <i>giant</i>
Sow-thistle, <i>perennial</i> **
Thistle, <i>Canada</i> **
Velvetleaf

* Including triazine-resistant species.

** Apply **Marksman** annually for three years at the flowering stage of bindweed and the budding stage of thistles.

ADDITIVES:

ASSIST® OIL CONCENTRATE MUST BE ADDED TO ALL APPLICATIONS OF **POAST**.
Use water volume 110 to 200 litres per hectare.

MIXING:

1. When using Poast always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add to tank, if required (refer to instruction on tank mixtures) the correct amount of **LADDOK** or **MARKSMAN**. Continue to agitate.
4. Add the correct amount of **POAST**. Continue to agitate.
5. Add the correct amount of **ASSIST Oil Concentrate**, along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit over night. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
8. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
9. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on **DISPOSAL**.

SPRAYING INSTRUCTIONS:

Water Volume and Spray Pressure:

For **GROUND APPLICATION**, use sprayers equipped with standard flat fan nozzles. The use of 80° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

The use of flood jet or hollow cone nozzles is not recommended, because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

Thoroughly clean all screens to prevent nozzle clogging, especially when water volumes of 110 L/ha are used.

In general, use water volumes of 110 litres per hectare, and a minimum of 240 kPa pressure. For applications to dense weed infestations or to dense crop canopies, use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa. For quackgrass control use 110 to 200 litres of water per hectare at pressures of 275 to 425 kPa.

RESTRICTIONS AND LIMITATIONS:

1. Do not apply **POAST** to corn hybrids which are not specifically labelled as sethoxydim tolerant corn eg. corn hybrids designated with "SR" because severe crop injury will occur.
2. Over-the-top applications of **POAST** in sethoxydim tolerant corn eg. corn hybrids designated with "SR" may be made until the onset of pollen shed. Do not apply **POAST** after pollination occurs.
3. Do not apply **POAST** to sethoxydim tolerant corn eg. corn hybrids designated with "SR" within 90 days of harvest of corn grain or fodder.

Do not apply **POAST** to sethoxydim tolerant corn eg. corn hybrids designated with "SR" within 45 days of harvest of corn forage/silage.

4. When grasses are stressed due to drought, flooding or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or re-tillering may occur under prolonged stress conditions or low fertility. **DO NOT MAKE APPLICATIONS TO GRASSES STRESSED LONGER THAN 20 DAYS DUE TO LACK OF MOISTURE AS UNSATISFACTORY CONTROL CAN RESULT.**

If stress conditions exist at the time of application and have existed for less than 20 days, then use the higher recommended rates of **POAST** as indicated on the Application Rate Table.

Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.

5. Rainfall within one hour of application may reduce the effectiveness of the spray. Refer to broadleaf herbicide labels for rainfall recommendations for tankmixes.

6. Do not mix or apply **POAST** with any other additive, pesticide or with fertilizer except as specifically recommended on this label.

7. Allow a minimum of 4 days between application of **POAST** and any other chemical.

8. Allow a minimum of 14 days between application of **POAST** plus **ASSIST** and re-planting of cereal or grass crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding.

9. Do not graze the treated crop, there are not sufficient data available to support such use.

WARNING:

Injury to grass, cereal or non-sethoxydim tolerant corn eg. corn hybrids designated with "SR" crops and turf may occur if **POAST** is applied directly on or is allowed to drift onto these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.

2. Do not take internally.

3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.

4. Wash thoroughly after handling and before eating, drinking or smoking.

5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.

6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.

7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.

8. Do not apply where runoff or erosion is likely to occur.

FIRST AID INSTRUCTIONS:

In case of eye contact:

Flush eyes immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. Consult a physician if irritation develops.

If swallowed:

Give water or milk. **DO NOT INDUCE VOMITING.** Consult a physician immediately or contact a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If inhaled:

Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or contact a poison control centre.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

STORAGE:

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.

2. Do not ship or store near food, feed, seed and fertilizers.

3. Store in cool, dry, locked, well-ventilated area without floor drain.

4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.

DISPOSAL:

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 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.

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.

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.

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