

19-JAN-1998

DowElanco

Transline* 2000

Herbicide

For the control of broadleaved weeds in the following non-crop areas: rights of way (hydro, railroad, communication lines, pipelines) and associated stations, industrial manufacturing sites, storage sites and roadsides, airports, military bases and low maintenance rough turf areas.

Rangeland and grass pasture and Balsam Fir Christmas Tree stands or plantations may also be treated.

FOR USE IN BRITISH COLUMBIA INTERIOR, PRAIRIE (including the Peace River Region of B.C.), CENTRAL AND ATLANTIC REGIONS OF CANADA ONLY.

COMMERCIAL

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE:

clopyralid 200 g/L
(present as the monoethanolamine salt)

REGISTRATION NO. 24084

PEST CONTROL PRODUCTS ACT

CAUTION POISON

NET CONTENTS: 4.45 L

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DowElanco Canada Inc. is a licenced user.

OPERATOR PRECAUTIONS
DANGER - EYE IRRITANT
HARMFUL IF ABSORBED THROUGH SKIN
MAY CAUSE SKIN IRRITATION
KEEP OUT OF REACH OF CHILDREN
COMBUSTIBLE

Be Smart, Be Safe, Hazard Increases With Exposure - Avoid contact with eyes, skin and clothing. Avoid breathing vapours or spray mist.

AT ALL TIMES - Wear clean, body-covering coveralls. For application using hand-held equipment wear chemical-resistant gloves.

DURING MIXING AND LOADING AND CLEAN-UP AND REPAIR - Wear goggles or face shield and chemical-resistant gloves.

AT COMPLETION OF SPRAYING OR END OF THE DAY - Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergent and hot water before reuse.

FIRST AID

If swallowed: Induce vomiting if large amounts are ingested. Consult medical personnel or a poison control centre.

If in eyes: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel or a poison control centre.

If on skin: Wash off with soap and flowing water.

TOXICOLOGICAL INFORMATION

No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

Do not ship or store with food, feeds, drugs or clothing.

STORAGE

Store away from food, feedstuff, fertilizer, seeds, insecticides, fungicides or other herbicides intended to be used on Transline sensitive crops. Store in heated storage; if product is frozen, bring to room temperature and agitate before use.

DISPOSAL

1. Triple rinse the emptied container 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.

GENERAL INFORMATION

Transline 2000 herbicide is a liquid concentrate intended for dilution with water for the control of broadleaved weeds in non-crop areas, Balsam Fir Christmas Tree stands or plantations and rangeland or grass pasture. Desirable broadleaved species such as clovers and vetches will also be eliminated from range and pasture lands with Transline 2000. Transline 2000 is readily absorbed by both foliage and roots and translocates both upwards and downwards in plants. The product controls many weeds, including the following: Canada thistle, wild buckwheat, scentless chamomile, vetch (*Vicia* spp.), common groundsel, common ragweed, alsike clover, suppresses sheep sorrel and ox-eye daisy and provides top growth control of perennial sow-thistle.

USE PRECAUTIONS

DO NOT APPLY BY AIR.

VEGETATION AND CROP PRECAUTIONS

Sensitive Plants

Do not apply Transline 2000 herbicide directly to, or otherwise permit it to come into contact with sunflowers, legumes (such as peas, beans, lentils or alfalfa), fruit or vegetable crops, flowers or other desirable broadleaved plants. Take precautions to prevent spray mists containing it to drift onto them. Residues of Transline 2000 herbicide can remain in the soil following the year of use, thereby affecting growth of sensitive crops.

Special precautions should be taken during application to

roadsides, pipelines and railways where sensitive desirable vegetation may be present. Do not apply to or allow drift to come into contact with sensitive desirable vegetation such as vetch or clover which may be found on embankments.

Non-Target Sites

Avoid contamination of non-target land, water or irrigation ditches. Do not use Transline 2000 herbicide in the following areas: standing or flowing water; the inner banks or bottoms of irrigation ditches; in areas where surface water can run off to adjacent croplands either planted or to be planted to sensitive crops.

Grazing and Harvesting for Feed

The following intervals (days) between application and grazing or harvesting for feed of forage grasses must be observed:
 0.75L/ha rate = 7 days; greater than 0.75L/ha rate = 60 days.

Manure and Straw/Hay

Residues of the herbicide occurring in the straw/hay may be harmful to susceptible plants, therefore do not use straw/hay from treated areas for composting or mulching susceptible broadleaved crops.

Crop Rotation

Areas previously treated with Transline 2000 herbicide can be seeded the following year to wheat, oats, barley, rye (not underseeded with legumes, clover or alfalfa), forage grasses, flax, canola or can be summerfallowed. Do not seed to crops other than those listed above in the calendar year following treatment.

For additional use information contact DowElanco Canada Inc. at 1-800-667-3852.

DIRECTIONS FOR USE

Table 1:

Weeds Controlled	Application Rate
Canada thistle (suppression of top growth for 6-8 weeks) vetch (Vicia spp.) Alsike clover	0.75 L/ha
Canada thistle (season-long top growth	

control) scentless chamomile wild buckwheat common groundsel common ragweed sheep sorrel (suppression) ox-eye daisy (suppression) perennial sow-thistle (top growth control)	1.0 L/ha
Canada thistle (season-long control of top growth with a reduction in population in the following year)	1.5 L/ha

Weed Stages At Application

Canada thistle, perennial sow-thistle and scentless chamomile plants should be between the rosette and pre-bud stage of growth at the time of spraying. Apply to wild buckwheat at the 2 to 6-leaf stage (up to 15 cm tall), common ragweed when plants are 5 to 10 cm in height, and vetch (*vicia spp.*) when the stems are 10 to 15 cm long. Apply to other weeds prior to 15 cm height stage. Treat when weeds are actively growing with adequate soil moisture.

Non-Crop Areas

Transline 2000 herbicide may be used on the following non-crop areas: rights of way (hydro, railroad, communication lines, pipelines) and associated stations, industrial manufacturing sites, storage sites, vacant lots and roadsides, airports, military bases and low maintenance rough turf areas (grass areas where the dominant species are those listed in the Rangeland and Grass Pasture section of this label and where little or no maintenance is applied). This product is not registered for use on fine turf lawns or turf grass receiving high maintenance. Apply between 0.75 to 1.5L/ha depending on weeds present and level of Canada thistle control required. Refer to Table 1 for appropriate application rate.

Tank-Mix Combinations

Transline 2000 herbicide may be tank mixed with 2,4-D Amine or Ester or MCPA Amine or Ester for control of additional broadleaved weeds on roadsides and vacant lots. Transline 2000 may also be tank mixed with 2,4-D Amine for additional broadleaved use control on rights of way (hydro, railroad, communication lines, pipelines) and associated stations, industrial manufacturing sites and

storage sites. Read and follow the label of each tank-mix product used for precautionary statements, directions for use, weeds controlled and any other restrictions. When tank mixing adhere to the most restrictive label limitations and precautions.

Transline 2000 herbicide at 0.75 to 1.5 L/ha may be tank mixed with 2,4-D or MCPA herbicides at the rate of 420 to 560 g active ingredient/ha. The tank-mix will control many weeds, including Canada thistle, cocklebur, common ragweed, dandelion, lamb's-quarters, scentless chamomile, perennial sow-thistle, shepherd's-purse, stinkweed, tartary buckwheat, wild buckwheat and wild mustard. Apply up to the 15 cm height of annual broadleaved weeds.

Balsam Fir Christmas Tree Stands or Plantations

For the control of vetch (*vicia* spp.), apply Transline 2000 herbicide at 0.75/ha in 150 to 200 L of water as a directed foliar application using a hydraulic sprayer. Best control is obtained when vetch stems are 10 to 15 cm long and prior to the vetch climbing into the tree crown. Avoid contact with the upper two-thirds of the tree crown. Do not use on seedbeds, transplants or any over-the-top applications. Do not apply tank mixtures containing 2,4-D or MCPA.

Rangeland and Grass Pasture

Including Kentucky bluegrass, smooth brome grass, reed canary grass, creeping red fescue, meadow fescue, tall fescue, meadow foxtail, orchard grass, altai wild ryegrass, Russian wild ryegrass, timothy, crested wheatgrass, intermediate wheatgrass, slender wheatgrass, streambank wheatgrass and tall wheatgrass.

For control of the weeds on the label plus alsike clover, apply Transline 2000 at the rate of 0.75 to 1.5L/ha in 110 to 220 L/ha of water. Make 1 application per season by ground sprayer. For seedling grasses, apply at the 2 to 4-leaf stage. For established grasses, apply at the shot-blade stage or in the fall after harvest or early spring. See Grazing and Harvesting for Feed section. Do not apply tank mixtures containing 2,4-D or MCPA.

APPLICATION DIRECTIONS

Spray Preparation

To prepare the spray solution add about 1/2 the desired amount of water to the spray tank, then with mechanical or bypass agitation, add the recommended amount of Transline 2000 herbicide.

Mix thoroughly in the tank. Second, add the recommended tank-mix

herbicide. Finally, with continued agitation, add the rest of the water.

Spray Application Volume

Apply Transline 2000 herbicide at 0.75 to 1.5L/ha plus any other herbicide approved on this label as a tank-mix at the recommended rate in sufficient water to ensure thorough coverage (100 to 200L/ha of spray solution) by ground equipment only at pressures of 200 to 275 kPa. Treat when weeds are young and actively growing, when the Canada thistle is in the rosette to pre-bud stage and before the purple bud stage.

For gun spraying (spot spray) of patches of weeds, mix 0.75 to 1.5 L of Transline 2000 herbicide in 800 L of water. Spray weeds to the point of run-off.

Appropriate Conversions

200 - 275 kPa = 30 - 40 PSI
100 - 200 L/ha = 10 - 20 gallons/acre
1 sq. metre = 1.2 sq. yards
1 L/ha = 14 fl. oz./acre

SPRAY EQUIPMENT AND CONTAINER PRECAUTIONS

To Reduce Spray Drift

1. Use nozzles that deliver higher volumes and coarser droplets.
2. Use low pressures (200 to 275 kPa).
3. Use 100 to 200L/ha of spray solution.
4. Spray when the wind velocity is 15 km/hr or less.

Equipment Clean-Up

Equipment used to apply Transline 2000 herbicide should not be used to apply other pesticides to sensitive crops without thorough cleaning.

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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