

## Switchgrass

Minor Use Label Expansion Registrations granted for the use of the following herbicides on labelled weeds in Switchgrass

### AATREX® LIQUID 480 Herbicide (Atrazine)- PMRA registration granted, April 2016

| TIMING  | WEEDS CONTROLLED   | RATE/HA     | REMARKS   |
|---|--|-------------|---|
| Pre-plant incorporated or <b>pre-emergent</b> to crop | Wormseed mustard, wild buckwheat, wild mustard, lamb's-quarters, common purslane, redroot pigweed, ragweed, volunteer clover, smartweed, wild oats, lady's-thumb | 2.1 – 3.1 L | <p>Make only one application per year.</p> <p>Apply in year of establishment only.</p> <p>Apply by ground equipment only.</p> <p>Apply in a minimum of 150 L of water/ha.</p> <p>Pre-harvest interval is 485 days.</p> <p>Do not graze treated areas. Do not use seeds for bird food.</p> |

### BUCTRIL M Emulsifiable Selective Weed killer used alone.

Bromoxynil (present as mixed octanoate and heptanoate esters).....280 g/L

MCPA (present as 2-ethylhexyl ester).....280 g a.e./L

PMRA registration granted, Sept. 2017

| TIMING                                   | WEEDS CONTROLLED  | RATE/HA  | REMARKS  |
|--|---|--|--|
| Established (not underseeded to legumes) | <p><b>Seedlings up to 4-leaf stage</b></p> <p>Green smartweed<br/>           Pale smartweed<br/>           Lady's-thumb<br/>           Cow cockle*<br/>           Redroot pigweed<br/>           Flixweed<br/>           Bluebur<br/>           Shepherd's-purse<br/>           Kochia**<br/>           Russian thistle**<br/>           Scentless chamomile***<br/>           Volunteer sunflower<br/>           Volunteer rapeseed (including Canola)<br/>           Night flowering catchfly</p> | <p>1 L/ha<br/>           SPRAY<br/>           VOLUME &amp;<br/>           PRESSURE:<br/>           Apply in NO<br/>           LESS than 50<br/>           litres of water<br/>           per hectare at<br/>           a pressure of<br/>           275 kPa. DO<br/>           NOT APPLY<br/>           BY AIR</p> | <p>Switchgrass may be treated from the 2- to 4-leaf stage. Do not apply during the year of sowing/seeding. Avoid spray overlap. Make only one application per year. Observe a PHI of 30 days</p> |

|  |  |  |  |
|--|--|--|--|
|  | Cocklebur<br>Velvetleaf****<br>Ball mustard<br>American nightshade<br><b>Seedlings up to 6-leaf stage</b><br>Wild tomato<br><br><b>Seedlings up to 8-leaf stage</b><br>Wild buckwheat<br>Tartary buckwheat<br>Common buckwheat<br>Stinkweed<br>Wild mustard<br>Wormseed mustard<br>Lamb's-quarters<br>Common ragweed<br>Common groundsel<br><b>Perennials: Top-growth suppression</b><br>Canada thistle<br>Perennial sow-thistle |  |  |
|--|--|--|--|

**IPCO® DICHLORPROP-DX HERBICIDE**

**ACTIVE INGREDIENT:** Dichlorprop-P: 210 g a.e./L

2,4-D: 400 g a.e./L (both present as 2-ethylhexyl esters)

PMRA registration granted, June 7, 2019

| <b>TIMING</b>   | <b>WEEDS CONTROLLED</b>  | <b>RATE/HA</b>  | <b>REMARKS</b>   |
|---|--|---|--|
| Ground application only. Treat at the 2-4 leaf stage of switchgrass in the seedling year and in the Spring of the second year of production, post-emergent to the weeds | Annual sow-thistle, Ball mustard, Blue bur, Burdock, Canada thistle*, Cocklebur, Curled dock*, Dog mustard, Flixweed, Hare's ear mustard, Indian mustard, Kochia**, Lady's-thumb***, Lamb's-quarters, Night-flowering catchfly****, Oak-leaved goosefoot, Perennial sow-thistle*, Ragweed, Redroot pigweed, Round-leaved mallow, Russian pigweed, Russian thistle**, | 1.2 L/ha<br>IPCO<br>Dichlorprop-DX will provide best results if applied when weeds are young and growing actively<br>Top growth control only<br>** Spray before plants are 5 cm. high | Do not graze or cut treated crops for forage or hay until at least 365 days after the last application.<br><br>Crops under stress from adverse environmental conditions such as excess moisture, drought, disease, etc. may suffer a further setback when IPCO Dichlorprop-DX is applied; however, the crop injury that may occur is usually offset by the benefits of enhanced weed control. Apply in warm weather when the crop and weeds are growing well, and the weeds are at a susceptible stage. Avoid application during cool weather, drought conditions, or during exceptionally hot weather |

|  |   |  |  |
|--|---|--|--|
|  | Shepherd's purse,<br>Smartweed***,<br>Stinkweed, Stork's-bill,<br>Tartary buckwheat***,<br>Tumble mustard,<br>Volunteer rapeseed<br>(Canola), Volunteer<br>sunflower***, Wild<br>buckwheat***, Wild<br>mustard, and Wormseed<br>mustard | *** Spray<br>before the<br>four leaf stage<br>****Spring<br>annuals only |  |
|--|---|--|--|