

# Alias<sup>®</sup> SC

## INSECTICIDE

Alias 240SC is a new entry into the imidacloprid insecticide market. Alias offers fruit and vegetable growers control over a wide range of insects in potato, lettuce and tomatoes as well as apples, sweet and sour cherries, highbush blueberries, brussels sprouts, and eggplant.

**TARGET PESTS:** Colorado potato beetle, aphids including green peach, buckthorn, foxglove and potato aphid, potato leafhopper, potato flea beetle, lettuce aphid, green apple aphid, rosy apple aphid, mullein bug, tentiform leafminer, white apple leafhopper, western cherry fruit fly, black cherry fruit fly, blueberry aphid, cabbage aphids, Japanese beetle larvae and European chafer larvae.

**CROPS:** Potato, tomato (Field grown – Ontario, Quebec, Prince Edward Island, and Atlantic Canada only), Field Lettuce (British Columbia, Ontario, Quebec, PEI and Nova Scotia only), apples, cherries (sweet and sour) (British Columbia and Ontario only), highbush blueberries (BC, Ontario and Quebec only. See label for details), brussels sprouts, and eggplant.

### **RATE:**

#### **Potato:**

**Soil application** – 7.5 to 12 mL per 100 m of row or 850 ml to 1.3 L/ha (based on 90cm row spacing).

**Seed piece treatment** – 26-39 mL per 100 kg of seed pieces.

**Foliar application** – 200 mL per hectare.

#### **Tomato:**

**Transplant soil application** – 7-10 mL per 100m row, see Chart 1 for linear application for common bed spacing.

**Foliar application** – 200 mL/ha.

#### **Field Lettuce:**

**Transplant tray plug drench** – 10.2 mL per 1000 plants.

**Soil application** – field drench 650 mL per hectare see Chart 2 for row spacing.

**Foliar application** – 200 mL/ha.

**Apple:** 200-380 mL/ha based on insect controlled.

**Cherries** (sweet and sour): 233 mL/ha.

**Highbush blueberries:** BC only 175 mL/ha for blueberry aphid.

#### **Brussels sprouts:**

**Sidedress application (soil injection)** – 730 ml/ha.

**Foliar application** – 200 mL/ha.

#### **Eggplant:**

**Transplant soil application** – 7-10 mL/100m of row.

**Foliar application** – 200 mL/ha.

**Highbush blueberries:** Ontario and Quebec 1.2 L/ha.

**GUARANTEE:** Imidacloprid 240 g/L

**ACTIVITY:** Systemic action.



## QUICK SHEET

**TIMING:****Potato:**

**Soil applied** – At planting time in furrow using direct spray on the seed pieces or on seed potatoes in the furrow. Do not follow with a foliar applications

**Seed piece treatment** – Apply to seed pieces just prior to planting. Do not dilute any more than 3 parts water to 1 part Alias. Do not follow with a foliar application.

**Foliar application** – Up to 2 foliar applications per season at least 7 days apart. Apply when insect numbers begin to increase but before damaging population becomes established.

**Tomatoes:**

**Transplant soil application** – Apply in furrow at transplanting. Do not follow with a foliar application.

**Foliar application** – Total of 2 foliar applications per season at least 5 days apart before damaging populations become established.

**Field Lettuce:**

**Transplant plug drench** – Drench plugs prior to transplanting. Do not follow with a field drench or foliar application.

**Soil drench** – Apply field drench after transplanting, do not follow with any other application in the same season.

**Foliar application** – Maximum of 2 foliar applications per season before insects reach damaging populations.

**Apple:**

After pollination is complete after bees have been removed from orchard. Apply a maximum of 2 applications per season. See label for air blast sprayer recommendations on orchards.

**Cherries** (sweet and sour):

Apply within 6 days of first cherry fruit fly emergence. Use a maximum of 5 foliar applications per season at 10 day intervals.

**Highbush blueberries** (BC only):

Apply post bloom after bees have been removed in fields where blueberry scorch virus is a potential problem. May need up to 1000L spray/ha to get good coverage. A maximum of 2 foliar applications per year at 7-10 day intervals.

**Brussels sprouts:**

**Sidedress application** – Apply after plants have established at a depth of 2.5 cm or more and within 5-10 cm to the side of each row.

**Foliar applications** – Apply when economic thresholds indicate that treatment is required. Second application can be made 7 days of more after the first application. Do not use foliar application if soil application was made.

**Highbush blueberries** (Ontario and Quebec only):

Just prior to or during egg hatch of target pest. Apply in 200L of water/ha. Do not apply during flowering.

**Eggplant:**

**Soil application** – Apply in furrow at transplanting.

**Foliar application** – Do not use if soil application was made. Apply before damaging populations occur, 2 applications at least 5 days apart may be made.

**CAUTION:** Do not apply by air. Do not apply when wind speeds are greater than 12-15 km per hour. Do not apply product or plant treated seed pieces within 15 m of well heads or aquatic systems. For air blast sprayers do not apply within 40 m of well heads or aquatic systems. Do not mix, load or clean equipment within 30 m of well heads or aquatic systems. Do not apply by irrigation.

**RESTRICTED ENTRY INTERVAL:** Do not re-enter treated areas for 24 hours after foliar applications.

**RAINFAST:** Do not apply if heavy rain forecasted in the next 48 hours.

**PREHARVEST INTERVAL:**

**Potatoes:** 7 days

**Tomatoes:** 7 days

**Lettuce:** Transplant tray plug drench and soil drench - 21 days; Foliar applications - 7 days

**Apple:** 7 days

**Cherries** (sweet and sour): 10 days

**Highbush blueberries** (BC only): 14 days

**Eggplant:** Transplant soil application – 70 days; Foliar application – 7 days

**Highbush blueberry** (Ontario and Quebec): 14 days

**RESIDUAL CONTROL:** If replanting area with a crop listed on the label you may plant as soon as practical following the last application. Cereal grains (wheat, oats, barley) plant back interval of 30 days, peas and beans (faba beans, soybeans, adzuki beans, mung beans, lima beans, scarlet runner, dry common beans, snap beans) plant back interval of 9 months. Rotation to all other food and feed crops will require 12 months. Green manure crops and cover crops not intended for human or animal consumption do not require plant back intervals. Do not graze or harvest such cover crops for food or feed. Do not use on land treated the previous year as high potential carryover may persist.

**ADDITIONAL:** The product contains no colourant, and appropriate colourant must be added when product is applied to seed. Consult the Seeds Act.

**SURFACTANT NEEDED:** Not required.

**GROUP:** Group 4 Insecticide.

| <b>Conversion Chart for Linear Application</b> |          |           |          |          |
|--|----------|-----------|----------|----------|
| Bed (row) cm (inches) spacing                  | 76 (30)  | 152 (60)  | 152 (60) | 168 (66) |
| Rows per bed                                   | Single   | Single    | Twin     | Twin     |
| Low rate: mL/100 m row (mL/ha)                 | 7 (920)  | 7 (460)   | 7 (920)  | 7 (835)  |
| High rate: mL/100 m row (L/ha)                 | 10 (1.3) | 10 (0.66) | 10 (1.3) | 10 (1.2) |

| <b>Conversion Chart for Linear Row Applications</b> |   |                      |                      |                      |                      |
|---|---|----------------------|----------------------|----------------------|----------------------|
|   | Rate in mL/1000 m of Row Based on Row Spacing of: |                      |                      |                      |                      |
| Rate/ha   | 30 cm<br>(12 inches)                              | 35 cm<br>(14 inches) | 40 cm<br>(16 inches) | 45 cm<br>(18 inches) | 50 cm<br>(20 inches) |
| 650 mL/ha   | 19.5  | 22.8                 | 26                   | 29.3                 | 32.5                 |

