



ADAMA

## Bobcat® i-MAXX SG

Bobcat i-MAXX SG herbicide provides long-lasting, broad spectrum control of key grasses and broadleaf weeds in plant and ratoon cane.

### Mode of action

**GROUP B | C HERBICIDE**

Bobcat i-MAXX SG is a co-formulation of hexazinone (Group C) and imazapic (Group B). Hexazinone is a triazinone herbicide, which inhibits photosynthesis at the photosystem II pathway. Symptoms include wilting of the lower leaves, followed by chlorosis and then necrosis of younger leaves. Imazapic is a member of the imidazolinone family of herbicides, which inhibit acetolactate synthase (ALS). Imazapic is most effective on young weeds. Symptoms include interveinal chlorosis, purpling and stunting of the growing points (meristematic tissue).

### Ideal rotation option

It is important that growers use a range of management strategies to control weeds, and rotating modes of action is a key part of this strategy. Rotating herbicide mode of action groups reduces selection pressure for herbicide resistance. Bobcat i-MAXX SG (Group B/C) is an ideal rotational partner for Palmero® TX (Group H/C) (sugarcane registration pending) and Bobcat Combi (Group C) for sustainable weed control in sugarcane.

### Weeds controlled

Awnless barnyard grass, barnyard grass, blackberry nightshade, blue billygoat weed, calopo vine, common sida, giant/black pigweed, glossy nightshade, green amaranth, green summer grass, Ipomoea spp., guinea grass, liverseed grass, milkweed (Mexican fire plant), pigweed, sowthistle, Summer grass.

### At a glance

**Long-lasting, broad spectrum weed control**

Controls a range of key grasses and broadleaf weeds in plant and ratoon cane for up to three months.

**Flexible timing**

Wide application window with no time-of-year application restrictions.

**Convenient formulation**

Water soluble granule formulation combines two active ingredients into the one one, easy-to-use formulation, reducing the need to tank mix to broaden the weed spectrum.

**Rotational option**

An ideal rotational option with Palmero® TX and Bobcat® Combi for sustainable weed control in sugarcane.

### Application rates

Apply Bobcat i-MAXX SG at 500 to 630 g/ha in a tank mix with 1.6 L/ha paraquat e.g. Spraytop® 250; plus a non-ionic surfactant (NIS). Use the higher rate on heavy soil types for increased residual control or anticipated high weed pressure. Lower rates are recommended on lighter soils. DO NOT apply more than 630 g/ha per year, or more than one application of Bobcat i-Maxx SG or other products containing imazapic or hexazinone.



HERBICIDE

# Bobcat® i-MAXX SG

## Application timing

Bobcat i-MAXX SG can be applied as a post-emergent directed spray in plant or ratoon cane or as a post-harvest spray prior to weed or cane emergence in ratoon cane. Bobcat i-MAXX SG is registered for spot spraying Guinea grass using optical technology or handheld equipment.

### Directed spray in emerged cane

- Apply as a directed inter-row spray, full width between rows or as a band treatment after final cultivation and hill formation.
- Always apply in a tank mix with paraquat (Spraytop 250) and a NIS to improve crop safety and control any emerged weeds.
- DO NOT apply in the planting furrow in plant cane.
- In emerged ratoon cane, heavy trash layers may prevent Bobcat i-MAXX SG from reaching the soil, potentially reducing efficacy.

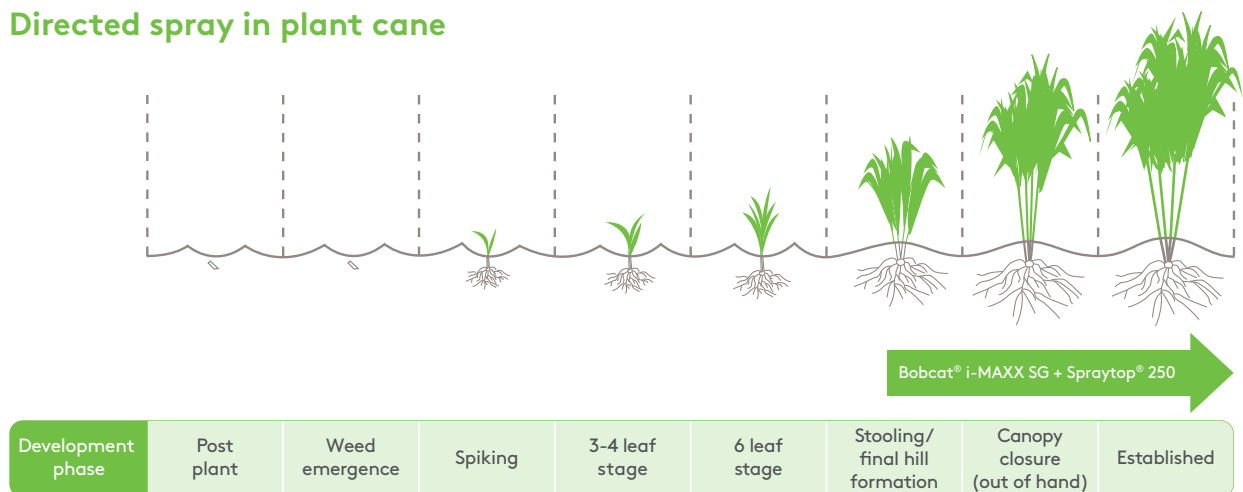
### Application prior to cane emergence in ratoon cane after harvest

- Apply after harvest and before new cane growth appears.
- Apply in a tank mix with Spraytop 250 and a NIS to control any emerged weeds.
- Heavy trash layers may prevent Bobcat i-MAXX SG from reaching the soil, potentially reducing efficacy.

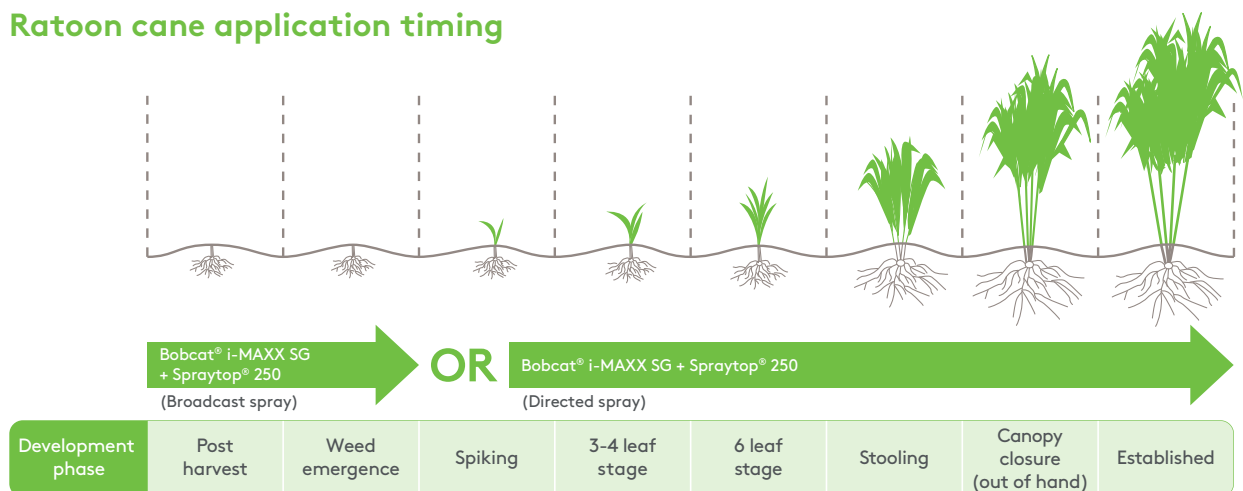
### Spot spraying of Guinea grass using optical technology or handheld equipment

- Apply when Guinea grass stools are a minimum 15 cm high for optimum results. Apply as a dilute spray and wet thoroughly to the point of runoff.
- Avoid contact with adjacent cane as crop injury will occur.
- DO NOT spot spray more than 5% of the total farm area.

## Directed spray in plant cane



## Ratoon cane application timing



Herbicide contact with the cane foliage may cause temporary yellowing and reduction in crop biomass or height. The risk of this occurring is greater when directed applications are made prior to the out of hand stage.

# Bobcat® i-MAXX SG

## Spray volume

Apply with ground equipment only in a minimum spray volume of 400 to 600 L/ha. Apply using correct pressure and droplet size to improve penetration and prevent drift onto non-target plants. DO NOT apply by aircraft.

## Compatibility

Bobcat i-MAXX SG is compatible with Spraytop® 250, 2,4-D Amine 625, Zulu® XT, Farmozine® 900 WG, Flagship® 400 and Diuron 900 WG.

## Incorporation

Sufficient rainfall or overhead irrigation (12–25 mm on moist soils; 25–50 mm on dry soils) is required 3–4 days after application and prior to weed emergence to wet soil to a minimum depth of 5 cm. If using irrigation to incorporate, the entire treated area must be thoroughly wetted. Care should be taken not to over-water and cause run-off.

## Crop safety

Prolonged wet soil and/or cool conditions can increase sugarcane crop damage, especially in sandy soil. In some circumstances, Bobcat i-MAXX SG can lead to transient yellowing and temporary slowing of growth. Depending on severity of damage, plants soon recover and yield is unaffected. Crop damage may be more pronounced when the product is applied under conditions when soil moisture is high within two days of application on light or sandy soils. Some varieties may be more susceptible to Bobcat i-MAXX SG. DO NOT use equipment or spraying methods which cause spray or spray drift to contact the foliage or growing points of the sugarcane. DO NOT apply to soils saturated with water.

## Crop rotation recommendations

Under conditions which do not favour the breakdown of Bobcat i-MAXX SG, carry-over soil residues can affect susceptible follow crops. Imazapic breakdown primarily by soil microbes can reduce in the presence of low soil moisture, acidic soil pH and or soils with low organic matter content. Minimal re-cropping intervals should be observed as per the re-cropping tables on the label. Where minimal rainfall requirements apply, at least half the minimum recommended rainfall should fall within the first half of the re-cropping interval to reduce potential risk of crop injury.

## Protection of the environment and non-target plants

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. DO NOT apply to fields where the slope exceeds 5%. Consult the ReefAware app prior to application of Bobcat i-MAXX SG and other Adama sugarcane residual herbicides.



ReefAware

## Withholding periods

**Harvest:** Not required when used as directed.

**Grazing:** DO NOT graze crop or sprayed vegetation or cut for stockfood for six weeks after application.



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