

Intelex®

Powered by Kixor®

BASF's newest revolution in pre-emergent herbicides for sugarcane

Intelex®, a Kixor® solution, is BASF's revolutionary new pre-emergent herbicide for the control of certain annual grasses and broadleaf weeds in sugarcane.

Intelex® is an excellent pre-emergent solution that delivers:

- Residual performance
- A pre-emergent solution in one bottle that requires no mixing partners to be added such as Ametryn and Diuron
- Suitable for both plant and ratoon cane

A highly effective pre-emergent herbicide to control difficult and resistant weeds:

- **Kixor®** is a new mode of action in sugarcane and delivers excellent control of certain annual grasses and broadleaf weeds
- **Kixor®** is a HRAC group E chemistry and is the first of its kind in South African sugarcane
- **Intelex®** is registered to control the following tough weeds:
 - Common morning glory - *Ipomea purpurea**
 - Guinea grass - *Panicum maximum*
 - Sweet buffalo grass - *Panicum schinzii*
 - Billy goat weed - *Ageratum conyzoides*
 - Bengal wandering Jew - *Commelina benghalensis**
 - Tropical finger grass - *Digitaria ciliaris*
 - Sticky bristle grass - *Setaria verticillata*
 - Khaki weed - *Tagetes minuta*

* The control of these weeds are variable because of germination depth

Suited for all crop systems

In no-till systems, **Intelex®** will perform better than most other conventional pre-emergent solutions.

Table 1: Control of grasses

The following grass species are normally controlled by a pre-emergent application of **Intelex®** at the indicated dosage rates:

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
<i>Brachiaria eruciformis</i>	Sweet signal grass	<i>Panicum maximum</i>	Guinea grass
<i>Digitaria ciliaris</i>	Tropical finger grass	<i>Panicum schinzii</i>	Sweet buffalo grass
<i>Digitaria sanguinalis</i>	Crab finger grass	<i>Setaria pallidifusca</i>	Red bristle grass
<i>Echinochloa crusgalli</i>	Barnyard grass	<i>Setaria verticillata</i>	Sticky bristle grass
<i>Eleusine corocana</i>	Goosegrass	<i>Urochloa panicoides</i>	Herringbone grass

Table 2: Control of broadleaf weeds

The following broadleaf weed species are normally controlled by a pre-emergent application of **Intelex®** at the indicated dosage rates:

SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME
<i>Ageratum conyzoides</i>	Billy goat weed	<i>Ipomea purpurea</i> *	Common morning glory
<i>Amaranthus hybridus</i>	Common pigweed	<i>Portulaca oleracea</i>	Common purslane
<i>Amaranthus spinosus</i>	Thorny pigweed	<i>Richardia brasiliensis</i>	Tropical richardia
<i>Amaranthus thunbergii</i>	Red pigweed	<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Bidens pilosa</i>	Blackjack	<i>Solanum nigrum</i>	Black nightshade
<i>Cleome monophylla</i>	Spindlepod	<i>Tagetes minuta</i>	Khaki weed
<i>Commelina benghalensis</i> *	Bengal wandering Jew	<i>Xanthium strumarium</i> *	Cocklebur
<i>Crotalaria sphaerocarpa</i>	Mealie crotalaria	<i>Cyperus esculentus</i> **	Yellow nutsedge
<i>Datura ferax</i> *	Large thorn apple		

* Variable control

** Suppression

Table 3: Suppression of the following weeds

SCIENTIFIC NAME	COMMON NAME
<i>Cyperus esculentus</i>	Yellow nutsedge

Control of yellow nutsedge can be improved, provided the following conditions are met:

- Planting must be preceded by a thorough ploughing with a mould-board plough.
- A fine, even and firm seedbed must be prepared.
- Application must be followed by at least 10 – 15 mm soft penetrating rain (or irrigation) to wash the herbicide into the soil prior to the emergence of yellow nutsedge (normally 7 – 10 days after ploughing). More rain is required on heavier soils to obtain good results. Insufficient moisture is often the reason why poor control is experienced on turf soils.
- When planting into moist soil, application of **Intelex®** should be made immediately after planting to ensure herbicide activation prior to emergence of yellow nutsedge.
- When planting into dry soil (insufficient moisture for yellow nutsedge germination) application should be timed as close as possible to, but definitely before, the first rain.

Other plant species that were not present during the development trials with **Intelex®**, may also be controlled to a certain degree. The registration holder does not accept any responsibility for any unlisted plant species.

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We create chemistry

Residual control

- **Intelex®** offers good residual control under normal conditions
- This residual performance enables farmers to determine if a post-emergent application is necessary

Peace of mind

- **Intelex®** is an Ametryn and Diuron free pre-emergent herbicidal solution
- Needs lower water volumes than other conventional pre-emergent herbicides to be activated
- Single dose rate irrespective of clay percentage
- Favorable environmental, toxicological and ecotoxicological profile

Recommendations

- **Timing of application:** Apply as an overall pre-emergent application at planting, or in the case of ratoon cane, directly after harvesting the previous crop. Apply in 200 l water/ha.
- **Dose rate:** 1,5 l/ha
- **Other crops** Maize

Please see label for detailed information.

Area: Eshowe, KwaZulu-Natal
Date of application: 25 November 2016
Dose rate: **Intelex®** 1,5 l/ha
Control: 10 weeks



Area: Richmond, KwaZulu-Natal
Date of application: 18 November 2016
Dose rate: **Intelex®** 1,5 l/ha
Control: 11 weeks



Area: Pongola, KwaZulu-Natal
Date of application: 10 September 2016
Dose rate: **Intelex®** 1,5 l/ha
Control: 12 weeks



For more information, visit the
BASF Crop Protection website
www.agro.basf.co.za