

ISOXAFLUTOLE

Residual herbicide

BALANCE® 750 WG


Isoxaflutole – 750g/kg

Selective pre-emergent herbicide for control of certain grasses and broadleaf weeds. Controls summer grasses, barnyard grasses, green summer grass, Guinea grass, blue top, crowsfoot grass, thick head and blackberry nightshade.

HERBICIDE SUITABILITY	
SOIL CONDITIONS	<p>May be applied to hot dry soils. Balance is UV stable and can remain inactive on the soil surface without breakdown from sunlight.</p> <p>Do not apply at any rate to soils of cation exchange capacity (C.E.C.) less than 3meq/100 g or with clay content less than 10%, or with organic carbon content of less than 0.8%. These soils have low binding potential for Balance which increase the risk of herbicide movement and adverse crop effect.</p> <p>Do not apply at rates of 125g/ha or higher to soils with organic carbon content of less than 1.0%, unless the cation exchange capacity (C.E.C.) is above 9.5meq/100g.</p> <p>Do not apply at rates of 125g/ha or higher to soils of cation exchange capacity (C.E.C) less than 4.5meq/100g.</p> <p>Crop safety increases with higher CEC and OC levels.</p> <p>Do not apply to areas with poor drainage or poor root development e.g.: sodic soils, saline soils, soils with hard sub-soil pans.</p> <p>Do not apply to newly limed soils without specific advice.</p>
INCORPORATION	<p>Balance is UV stable and therefore does not require immediate soil incorporation. However, weeds can germinate in sub-soil moisture through an inactive (dry soil crust) herbicide band if no follow-up rainfall/irrigation has occurred. Do not cultivate the soil after Balance has been applied.</p>
TARGET WEED CONDITIONS	<p>Where germinated weeds are present at spraying apply Balance in a tank mixture with label rates of paraquat OR;</p> <p>Knockdown with paraquat after the initial Balance application if germinated weeds are not controlled.</p>
CROP STAGE	<p>Plant cane – boomed over the top of plant cane up to the 4-leaf stage.</p> <ul style="list-style-type: none">• Tank mix with paraquat where sugarcane leaf or weeds have emerged at the time of spraying.• Apply to a consolidated soil profile to prevent soil movement resulting in weed escapes.• Make sure there is sufficient soil cover over the sett (at least 60mm) to reduce the risk of treated soil contacting the sett. <p>Ratoon cane – boomed or band sprayed over the top of ratoon cane up to the 2-leaf stage.</p> <ul style="list-style-type: none">• Apply in a tank mix with a knockdown herbicide if weeds have germinated.• Can be applied to burnt or trash-blanketed ratoons. <p>Prior to out-of-hand stage in plant or ratoon cane.</p> <ul style="list-style-type: none">• Apply as a directed inter-row spray to the soil surface after the last working.• Do not apply to sugarcane less than 0.75m in height.• Apply to a consolidated soil profile to prevent soil movement resulting in weed escapes.

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IRRIGATION	Do not apply Balance in the cutaway situation if irrigating by flood.
VARIETY SUSCEPTIBILITY	Damage may occur under some conditions from foliar absorption or root uptake. Symptoms appear as bleaching of growing points which generally grow out within 4 to 6 weeks in good growing conditions. To minimise the risk of adverse crop effects, do not allow spray drift onto to sugarcane foliage, and do not apply outside of the recommended soil parameters.
WITHHOLDING PERIOD/RISK TO OTHER CROPS	Avoid drift onto non-target areas/crops. Do not harvest for 19 weeks after application. Do not graze animals on treated crops.
PLANT BACK PERIOD	Corn: 10 weeks. Mungbeans: 7 months. Soybeans: 7 months. *rainfall dependent.
ENVIRONMENTAL RISK	Do not contaminate streams, rivers or waterways.
HERBICIDE RESISTANCE	Moderate (Group H).

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SIGNAL HEADING	WARNING
PICTOGRAM	
HAZARD STATEMENT	H361 Suspected of damaging fertility or the unborn child. H410 Very toxic to aquatic life with long-lasting effects.
FORMULATION	Water dispersible granule.
WATER QUALITY	Use clean water. Do not allow to the spray mixture to stand overnight.
APPLICATION EQUIPMENT	Broadcast or banded spray depending on crop stage. Do not apply by aircraft. Select nozzles to produce medium to coarse droplet pattern at selected operating pressure.

APPLICATION RATES					
PRODUCT	SOIL CATEGORY	RATE/HA	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
BALANCE	Light: clay content <15%	100–125g	\$18–\$22	Minimum 250L	Add paraquat at appropriate label rates once cane has emerged even if weeds are not present at time of application. Do not apply with wetting agents, crop oils or other adjuvants.
	Medium: clay content 15–33%	100–150g	\$18–\$26		
	Heavy: clay content >33 %	100–200g	\$18–\$35		