

TERBUTHYLAZINE + ISOXAFLUTOLE

Broad-spectrum early post-emergent and residual herbicide

PALMERO® TX


Terbuthylazine – 750g/kg, isoxaflutole – 75g/kg

Pre-emergent control of grass and broadleaf weeds.

HERBICIDE SUITABILITY	
SOIL CONDITIONS	<p>Terbuthylazine component is more active in alkaline soils (pH>8) resulting in crop injury.</p> <p>Do not apply at any rate to soils of cation exchange capacity (C.E.C.) less than 3meq/100g or with clay content less than 10%, or with organic carbon content of less than 0.8%.</p> <p>Do not apply at rates higher than 1000g/ha 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 1250g/ha or higher to soils of cation exchange capacity (C.E.C) less than 4.5meq/100g.</p> <p>Apply at the highest rate on heavy trash blanket.</p> <p>Do not apply to recently burnt stubble/trash. After burning, rainfall or cultivation is required to allow PALMERO TX to reach the soil and not be irreversibly bound by ash.</p> <p>Do not apply on newly limed soil.</p> <p>Do not apply to poorly drained soils, sodic soils or compacted soils.</p> <p>Do not apply where slope exceeds 3%.</p>
INCORPORATION	<p>Sufficient rainfall, or overhead irrigation (20–30mm), is required within 2 to 3 weeks of application and prior to weed emergence to wet soil to a minimum depth of 5cm.</p>
TARGET WEED CONDITIONS	<p>Before weeds emerge.</p> <p>Emerged weeds must be controlled by prior cultivation, or application of an appropriate herbicide.</p>
CROP STAGE	<p>As a directed spray in plant or ratoon cane just prior to canopy closure in a tank mix with Spraytop.</p> <p>As a broadcast or banded spray in ratoons after harvest and up to the two-leaf crop stage.</p> <p>Do not apply in fallow prior to planting sugarcane.</p> <p>Do not apply after the out-of-hand stage.</p> <p>Do not apply in the planting furrow in plant cane.</p> <p>Do not apply to crops with poor root development or to crops under stress.</p> <p>Do not apply to blocks that are to be replanted soon after harvest.</p>
CULTIVATION AND IRRIGATION	<p>Avoid soil disturbance e.g. stool splitting, after application.</p> <p>If applying as a band treatment, avoid throwing excessive untreated soil onto the treated band when inter-row cultivating.</p>
VARIETY SUSCEPTIBILITY	<p>All varieties likely to be susceptible to root and foliar uptake. Contact with sugarcane foliage may cause temporary crop damage such as chlorosis and/or a reduction in crop biomass or crop height</p>
WITHHOLDIN PERIOD/RISK TO OTHER CROPS	<p>Avoid drift to non-target areas. Do not apply unless wind speed is between 3 and 20km/h.</p> <p>No withholding period when used as directed.</p> <p>Do not graze or cut for stock food for 8 weeks after application.</p>
PLANT BACK PERIOD	<p>Maize: 6 months.</p> <p>Soybeans: 7 months *rainfall dependent.</p> <p>Up to 21 months and 500mm required for some other crops.</p>

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HERBICIDE SUITABILITY (CONTINUED)				
ENVIRONMENTAL RISK	Mandatory downwind buffer zones when applied with boom sprayers			
	Application rate	Boom height above target canopy	Natural aquatic areas	Vegetation areas
	1000 g/ha or lower	0.5m or lower	30m	30m
		Over 0.5m	80m	75m
	Up to maximum label rate	0.5m or lower	45m	45m
		Over 0.5m	140m	130m
Do not apply as a broadcast spray in the Fitzroy region. Do not contaminate wetlands or watercourses. Do not apply at the highest rate as a broadcast spray in ratoon cane after harvest and up to the 2-leaf stage unless green cane harvested with retention of trash blanket.				
HERBICIDE RESISTANCE	Moderate risk (Groups C and H).			

PALMERO TX	
SIGNAL HEADING	WARNING
PICTOGRAM	
HAZARD STATEMENT	H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure. 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.
APPLICATION EQUIPMENT	Do not apply by aircraft. Do not apply by boom spray equipment using an open cab tractor. Ensure spray droplet spectrum (Spray Quality) is COARSE. Directed spray (just prior to canopy closure). Broadcast or banded spray (in ratoons up to two-leaf crop stage).

APPLICATION RATES				
PRODUCT	RATE/HA	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
Palmero TX	1000–2000g	\$42–\$84	>250L/ha	Soil CEC restrictions. See statements under Soil Conditions. Do not apply more than once in a 12-month period. Do not apply more than 2000g per year. Do not add adjuvants. Always apply in a tank mixture with paraquat when cane crop has emerged and/or weeds have germinated.
Palmero TX + paraquat (250g/L)	1000–2000g + 1200–1600mL	\$42–\$84 + \$11–\$15		