

Brown Out 250

Similar to: *Spray Seed*[®]

Active Constituent	Paraquat dichloride 135g/L and Diquat dibromide 115g/L		Formulation SL
Typical Situations	Pre-sowing, pre-emergent broadacre crops, fallow, pasture, horticulture and other.		
Chemical Group	L	Mode of Action	Foliar uptake, poor translocation – rapidly desiccates by disrupting photosynthesis and destroying cells.
Indicative Price ex GST	\$8.40/L	Typical Pack Size	20L, 110L, 1000L
Poison Schedule	7	Dangerous Goods Class	6.1
		UN	3016
		Packing Code	III
Withholding Period	Harvest	Do not harvest cotton earlier than 7 days post application.	
	Grazing	Do not graze or cut for hay for 1 day (7 days for horses). Remove stock 3 days prior slaughter.	
Plant Back	N/A		
Application Method	Boom spray 50-200L/ha		Rain fastness 1 hour
Efficacy	High water rates optimise efficacy and good coverage is essential. Rapid desiccation can reduce uptake, therefore low light or late afternoon applications can improve efficacy.		
Adjuvants	Wetter is required on hard to wet weeds (e.g. Silver grass), and at high water rates.		
Compatibility	Most soil active herbicides, Chlorsulfuron, Triasulfuron, Atrazine, Simazine, Diuron, Trifluralin, Metsulfuron-methyl, Tri-Allate, Pendimethalin, Dicamba, 2,4-D Amine and Ester, MCPA Amine and Ester, Oxyfluorfen, Oryzalin, Imazethapyr, Paraquat, Diquat, Clopyralid.		
Incompatibility	Copper, Zinc and Manganese sulphates, and translocation herbicides (antagonistic).		
Water Quality	Muddy water reduces efficacy.		
Time to Effects and Symptoms	Within hours – spotting on leaves. 2-4 days - chlorosis at growing point and bleaching of leaves.		
4F Broadacre Registrations	Canola, chickpeas, wheat, barley, oats, triticale, field peas, lupins, pasture & other (extract listed).		
4F Other Registrations	Horticulture, rights of way and other (see label).		
Similar Product Registrations	As above.		
Situation	Target Weed/s	Rate/ha	Comments
Immediately before Autumn break	2-3 leaf weeds (various)	600-800ml	Wait 30 minutes for cultivation, but no longer than 7 days. If weed infestation is thick wait 3-5 days prior to sowing. Can be done post-sowing, must be 3 days before crop emergence.
	4 leaf weeds (various)	800ml-1.6L	
	4+ leaf weeds (various)	1.6-2.4L	
Spray Top/Pasture	Seed Set Control (various)	800ml-1.5L	
Comments			
EXTREMELY TOXIC – Utilise all safety procedures.			
Non-selective herbicide - will affect all plants.			
Safe in soil, rapidly bound by organic matter and clay, not prone to leaching and is broken down by microbes.			
Brown Out 250 is less susceptible to resistance than Glyphosate, and is useful as a double knock weed control component. Use Glyphosate at label rates followed by Brown Out 250 at label rates at least 2 days later.			