

HIGH PERFORMANCE ALL ROUNDER FOR PREHARVEST USE IN SORGHUM.



Sorghum
pre-harvest
Registration



Excellent
Compatibility



Fast
Brownout



Unparalleled
Registrations



Rainfast in
one hour
With Ii 700®



Outstanding
Performance on
Hard to Kill weeds

Nufarm's weedmaster® DST® has a pre-harvest registration allowing for the use of up to 2.3 L/ha, providing a faster, more reliable spray out of sorghum.

Nufarm's weedmaster DST, developed and tested in Australia by Nufarm, is a high performance, 470 g/L glyphosate that delivers fast brownout across a range of weeds.

Nufarm's weedmaster DST is formulated with Dual Salt Technology® (potassium and mono-ammonium) to form an advanced glyphosate that aids solubility and improves uptake by weeds.

Combined with a tailored surfactant package, Dual Salt Technology accelerates uptake as the glyphosate passes through the cuticle into plant phloem quickly.

SORGHUM AND NUFARM'S WEEDMASTER DST

Pre-harvest treatment of grain sorghum using Nufarm's weedmaster DST is a useful method of providing early termination of crop growth at the end of grain fill. The primary aim of pre-harvest application is to prevent further growth of sorghum. This assists with harvest efficiency and preserves soil moisture for following crops.

APPLICATION TIMING

Nufarm's weedmaster DST should be applied to grain sorghum when the crop has completed grain fill. As a guide, average grain moisture of <25% should be considered a threshold for treatment. This equates to the 'dough' stage. When 95 - 100% of the grains have formed a 'black layer' (i.e. are physiologically mature), the crop is ready to be desiccated. Sprayed crops should be harvested as soon as they have dried down and the withholding period has been met, as they are more prone to lodging. Treatments applied to plants with grain at the milky dough stage or earlier will not be as effective as those that have tillers bearing mature grain. However, treatments applied to late tillers containing immature grain will suppress grain maturity.

APPLICATION

Plants need to have sufficient green leaf at the top of the canopy to absorb the herbicide. Treatments may be applied by ground rig with suitable clearance, or by aircraft.

Spray volume of up to 30 L/ha with aerial application may be beneficial in enhancing coverage of leaves associated with late tillers at the base of the canopy. Swath width should be in the range of the 16 - 22 m depending on the type of aircraft and prevailing wind conditions.

CRITICAL INFORMATION

Active ingredients	470 g/L glyphosate as potassium and mono-ammonium salts
Mode of Action	Group M - non-selective translocated herbicide
Use rates	1.15 - 2.3 L/ha
Recommended spray quality	COARSE – VERY COARSE
Harvest	Do not harvest for 7 days after application
Adjuvants	Collide 700. Liase when mixing in hard water.
Preferred water volume	50 - 100 L/ha

Water volumes by ground rig should be within the range of 50 - 80 L/ha. A nozzle should be chosen to deliver a COARSE to VERY COARSE droplet at the target. Avoid drift onto non-target areas.

RATE

A rate range of 1.15 L/ha - 2.3 L/ha should be used. The higher rate should be used where control of the sorghum is required to ensure easier subsequent crop establishment, and as a general rule will speed up visible symptoms and desiccation. In thick plant stands or where a significant number of late tillers have been produced, use the higher rate.

GRAIN QUALITY

If applied according to the label directions the grain is suitable for all feed uses. Application to crops intended for seed production can reduce germination percentage below commercially acceptable levels.

EXPECTED RESULTS

Planned use of pre-harvest treatment has a greater chance of success than a salvage situation. Growers who apply the treatment only after their harvest plans are stopped because of cool weather are often disappointed with results.

Grain dry-down is affected by a number of factors:

1. Physiological growth stage
2. Ambient temperature and evaporation
3. Grain moisture at treatment
4. Rate of application

CROP LODGING

Pre-harvest treatment of sorghum may increase the likelihood of lodging of cultivars which may have only fair to moderate standability, particularly where these crops are grown under conditions where moisture stress would have been experienced prior to grain fill. Cultivars with good standability (QDPI **** rating or better) should be selected for planting if pre-harvest spraying is to be an integral part of the management program.

In general, lodging is more commonly observed on soil types with lower moisture holding capacity and/or where high plant populations are established. In these situations, crops with smaller stem diameter are more susceptible to lodging compared to those grown at lower density and where soil moisture has not limited vegetative growth.

Treatment of crops at high moisture content may also increase the incidence of lodging as lignification of stems may not be complete and stem strength is reduced with sudden depletion of stem moisture.

Harvest should commence 7 days after application, provided sufficient dry down has occurred to avoid possible lodging.

The information and recommendations set out in this brochure are no substitute for professional or expert advice and are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. To the maximum extent permitted by law, Nufarm Australia Limited disclaims all warranties of any kind, whether express or implied, including but not limited to any warranty that the information is up-to-date, complete, true, legally compliant, accurate, non-misleading or suitable.

© 2021 Nufarm Australia Ltd. All trade marks (®,™) are owned by Nufarm or used under license, or are owned by third parties and used only to describe compatibility with those related products.

Please refer to respective product labels for registered uses in specific crops.

For more information, contact your local Nufarm Business Development Manager

nufarm.com.au/product/weedmaster-dst

