

Wipe-Out® Pro

Product Overview

WIPE-OUT® PRO is a highly advanced new glyphosate formulation designed in Australia to offer the highest levels of performance and convenience when compared to alternative glyphosate formulations. It sets a new standard for knockdown herbicides in controlling weeds in fallow, prior to crop establishment, as a pre or post-harvest aid and in non-crop situations.

- Contains 540 g/L of glyphosate as an SL (Soluble Liquid Concentrate) formulation
- Single salt technology based on a monoethanolamine salt (MEA) for improved 2,4-D and other mix partner compatibility particularly when compared with Potassium (K) salt glyphosates
- Low viscosity with excellent flowability and pumping, even in cold conditions. Viscosity tests show WIPE-OUT® PRO has a lower viscosity versus glyphosate 450 CT isopropalamine (IPA) formulations across a range of temperatures
- Low foaming. When tested against common dual salt and potassium salt glyphosate formulations WIPE-OUT® PRO produces less foam when filling spray tanks
- New fully loaded adjuvant system with no need in most situations for additional surfactants to be added
- Rainfastness: Rain within 2 hours of application which causes run-off may require retreatment. Rainfastness is reduced if weeds are not actively growing, under stress or in conditions of low light intensity/darkness. The addition of an approved 1040 g/L Octyl Phenol Ethoxylate surfactant i.e. Wetter TX* may improve rainfastness on winter annual weeds
- Time to sow – planting can proceed following 1 hour of daylight post application to seedling annual weeds
- WIPE-OUT® PRO the new knockdown of choice for maximum performance and convenience.

Mode of Action

GROUP **M** HERBICIDE

WIPE-OUT® PRO contains glyphosate, a member of the Glycines group of herbicides. The product has the inhibition of EPSP synthase mode-of-action and for herbicide resistance management, WIPE-OUT® PRO is a Group M herbicide.

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Formulation Type and Glyphosate Compatibility

Glyphosate formulations are commonly mixed with various other products for fallow and pre-sowing weed control situations and for this reason having a product that is highly compatible is important.

Extensive lab and field testing with WIPE-OUT® PRO has found the product to be very compatible when compared to other high load formulations.

Physical incompatibility between high load potassium salt glyphosate formulations and a range of 2,4-D salt formulations i.e. 2,4-D Amine 625 can be caused by an adverse reaction between the salts of the two products rather than the active ingredients or adjuvants.

Adverse reactions;

Occur rapidly resulting in production of a fine crystalline precipitate, which looks like 'sticky sugar'

Once the precipitate is formed it is very difficult if not impossible to get back into solution

The issue can be avoided by simply avoiding potassium based glyphosates and using products such as WIPE-OUT® 450 (IPA based salt) or when a higher loaded formulation is required, WIPE-OUT® PRO.



Image shows potassium salt glyphosate mixed with 2,4-D (left) with precipitates forming within 5 minutes. The bottle on the right is a non-potassium salt glyphosate formulation mixed with 2,4-D.

Source: Adama Australia

Advanced Adjuvant System

WIPE-OUT® PRO has an advanced new alkylamine - alkyletheramine adjuvant system designed to provide improved overall performance versus other glyphosate formulations. The unique adjuvant system delivers optimum leaf uptake and penetration while offering optimised droplet deposition, spread and retention.

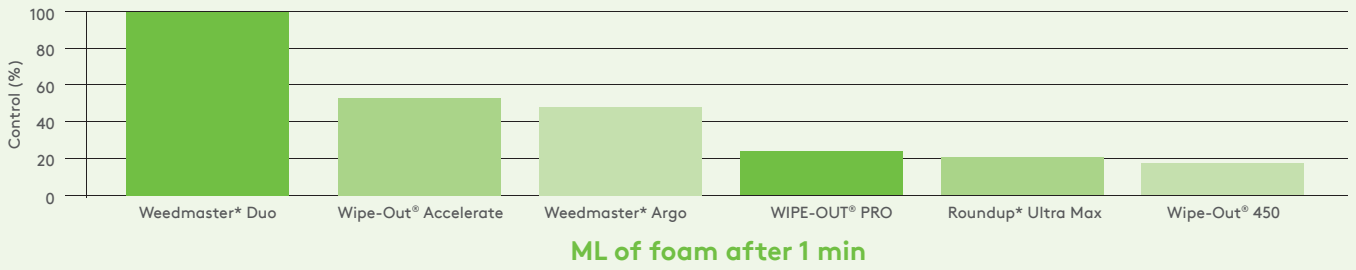
In addition this new adjuvant system has been found to improve operational convenience through low foaming and maintaining a free flowing product for pumping (low viscosity) during autumn and winter temperatures.

Situations Requiring Additional Adjuvants

- Silver grass and Annual Ryegrass – the addition of a 1040 g/L Octyl Phenol Ethoxylate surfactant e.g. Wetter TX* is recommended. This is not a general purpose surfactant and is only required when targeting specific weeds
- Bracken and woody weed control – Pulse® Penetrant 200 mL/100 L water is recommended in this situation
- Ammonium Sulphate – the addition of ammonium sulphate at 1-2% of spray volume can assist in alleviating the effects of adverse weather conditions such as cool, cloudy weather and reduce antagonism when mixing with certain herbicides e.g. triazines. Ammonium sulphate also reduces the associated effects of high levels of calcium, magnesium and bicarbonate ions in water.

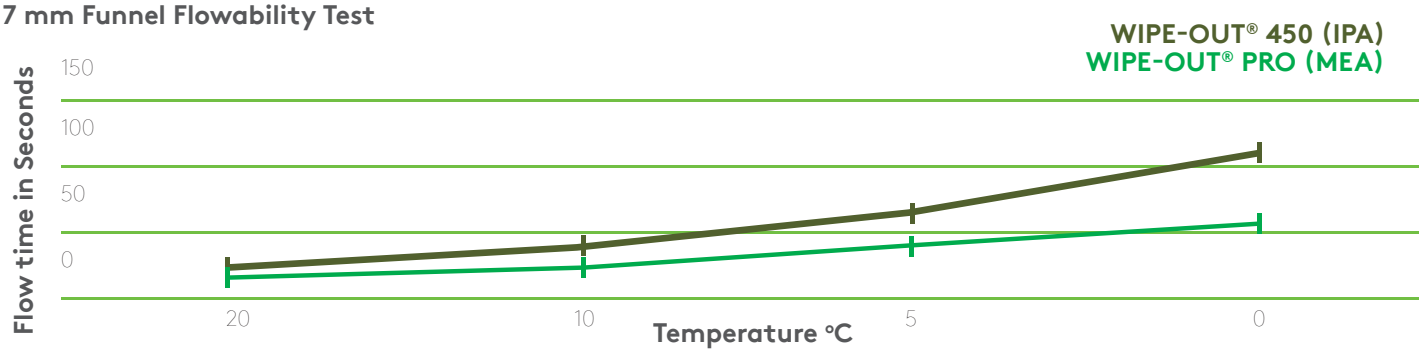
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Low Foaming



The results from testing carried out by QChem laboratories clearly show that WIPE-OUT® PRO has excellent low foaming properties when compared with a range of alternative glyphosate formulations.

Low viscosity with excellent flowability



Viscosity results from tests carried out by QChem laboratories clearly show that WIPE-OUT® PRO has moderate to low viscosity with a quicker flow time when compared with a standard like WIPE-OUT® 450 (IPA salt) at low temperatures. The test measures the time taken for 150 mL of formulation at specified temperatures to flow through a glass funnel with a 7 mm I.D stem.



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Spray Application

Adama recommends applying WIPE-OUT® PRO using COARSE or VERY-COARSE spray droplets according to ASAE S572 Standard or the BCPC spray guidelines in most situations.

Ground application: apply using an accurately calibrated ground rig in a water volume of 80 L/ha or less.
Aerial application: apply in a water volume of not less than 20 L/ha.

DO NOT apply by aircraft when temperature is above 30°C.
DO NOT apply with spray equipment or under weather conditions likely to cause spray drift

Compatibility

WIPE-OUT® PRO is compatible with the following Adama products. Correct mixing order is important as is good in-tank agitation when mixing and during spraying. Any products not listed below including combinations of products, compatibility should be assessed using a jar test prior to commercial mixing or application.

Herbicides			Insecticides
ADAMA 2,4-D LV ESTER 680	IMPOSE®	CLINCHER® GOLD	ALPHA-SCUD® ELITE
ZULU® XT	SAFARI® 750	SAKURA*	DIMETHOATE 400
LYNX® WG	ELEVATE®	TRILOGY®	STRIKE-OUT® 500
CAVALIER®	LONESTAR®	RUSTLER* 500SC	VENOM® 240SC
CAVALIER® 500SC	TACKLE®	SIMANEX® 900 WG	PYRINEX® SUPER
CUTLASS® 500	VICTORY®	FARMOZINE® 900 WG	
MCPA LVE 570	AVADEX* XTRA	DIURON 900 WG	
FLAGSHIP® 400	COUNTDOWN®		

Features	Benefits
540 g/L Monoethanolamine (MEA) glyphosate salt	Improved compatibility vs K salt glyphosate formulations leading to improved convenience.
Low viscosity and increased flowability	No issues with slow pumping in cold conditions
Low foaming	Low risk of foaming when filling the tank.
Advanced adjuvant package	Excellent efficacy, weed uptake and convenience of not requiring additional adjuvants in most situations.

^ WIPE-OUT® PRO registration pending at time of printing

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