



ADAMA



RES+ Stubble Digester

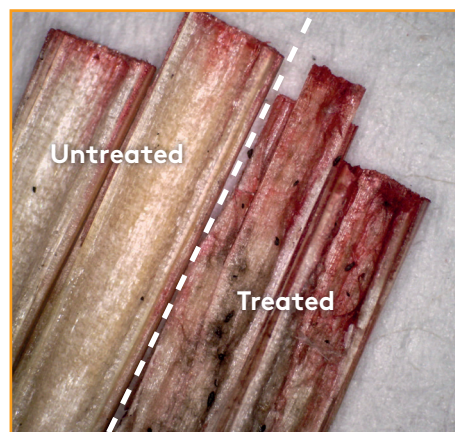
Product overview

RES+ is a crop residue management tool that enhances the breakdown of stubble and other degradable plant matter. It contains a residue-degrading enzyme (cellulase) and chelated nutrients to 'kick start' microbial activity.

Enzymes weaken the cellulose/hemicellulose and lignin structures, allowing microbes to enter crop residues and start the breakdown process. The 30% humectant formulation locks in moisture, speeding up the natural degradation of residue. RES+ can be added to knockdown or pre-emergent herbicides before planting to facilitate the breakdown of stubble and nutrient release.

Key features

- Facilitates the breakdown of stubble in minimum/zero till farming systems
- Improved stubble/residue trafficability during planting
- Improved organic matter, microbial activity and soil health
- Improved moisture conservation
- Improved crop and pasture establishment
- Compatible with many fallow herbicides



- Untreated split wheat stubble seven days after application of Res+ at 1.2 L/ha
- Glycoside hydrolase enzymes starting to work as soon as 7 DAT
- Wheat stubble stained red to highlight exposed cellulose
- Note the increase in red staining on treated stubble indicating higher levels of cellulose degradation
- Exposed cellulose acts as an entry point for further degradation of the stubble by microbes

Product information

Active ingredients

Cellulase: >25mU/mL
Humectant: 30%
Nitrogen: 6%
Sulphur: 1%

Registered crops

Stubble/crop residue for all field-grown grain and fibre crops and forestry

Application timing

Post harvest and up to 4 weeks before sowing

Application information

Application timing

Post harvest and up to 4 weeks prior to sowing

Water volume

Broadacre crops: 50–200 L
Horticultural crops: 50–1000 L

Rainfastness

Once spray droplets have dried

Storage

24 months when stored at temperatures below 37°C



STUBBLE
ENZYME

Directions for use

Use pattern	Rate L/ha	Comments
Broadcast application with water as the preferred carrier. Can be mixed with knockdown or pre-emergent herbicides.	1.2 L	Apply to stubble or residue in the field post-harvest up until planting date. Best results are normally achieved by applying 4 weeks or greater ahead of sowing. Early application may provide enhanced stubble conditions for flow and ease of sowing practices as well as nutrient release.

Compatibility

The following products have been tested for physical compatibility under constant agitation with RES+. Maintain constant agitation during application. Always follow best practice tank mixing procedures – download at www.adama.com.

Partner product(s)	Classification
Dropzone* (2.1 L/ha)	Compatible
Crucial* (1.8 L/ha)	Compatible
Crucial* (1.8 L/ha) + Dropzone* (1.7 L/ha)	Caution
Glyphosate 450 (2.4 L/ha)	Compatible
Glyphosate 450 (1.2 L/ha) + Liaise* (1.2 L/100 L)	Compatible
Glyphosate 450 (1.2 L/ha) + 2,4-D Amine 625 (700 mL/ha)	Compatible
Glyphosate 450 (1.2 L/ha) + Enforcer 75D (1 L/ha)	Compatible
Glyphosate 450 (1.2 L/ha) + LV Ester 680 (800 mL/ha)	Compatible
Glyphosate 450 (1.2 L/ha) + LV Ester 680 (800 mL/ha) + Oxyfluorfen 240 (75 mL/ha)	Caution
Glyphosate 450 (1.2 L/ha) + Sakura* 850 WG (118 g/ha)	Compatible
Glyphosate 450 (1.2 L/ha) + Triclopyr 600 (160 mL/ha)	Compatible
Glyphosate 450 (1.2 L/ha) + Trifluralin 480 (2 L/ha) + Avadex* Xtra (2 L/ha)	Compatible
Roundup* UltraMax* (1.2 L/ha)	Compatible
Paraquat 250 (3.2 L/ha)	Compatible
Paraquat 250 (3.2 L/ha) + Atrazine 900 WG (2.2 kg/ha)	Caution
Paraquat 250 (3.2 L/ha) + Diuron 900 WG (1.1 kg/ha)	Caution



Untreated (left) and treated (right).
Katanning, WA.

Compatible: The mixture is physically compatible.

Caution: Constant agitation is required. Do not leave stand in the tank for any period of time. Allow sufficient time for each product to disperse uniformly throughout the tank before adding the next product.

Incompatible: This combination is not recommended.



Scan here for
more information

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