



Adsee™ 1629 and Adsee™ C-70S



A powerful combination for high
electrolyte challenges

Nouryon

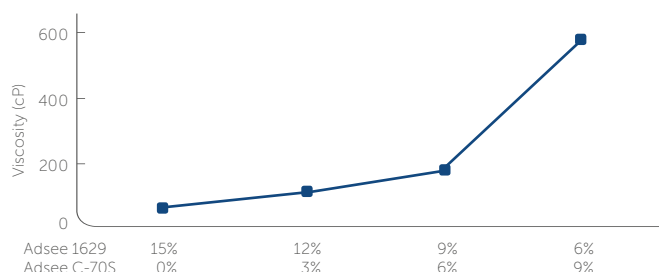
Adsee 1629 and Adsee C-70S

Crop protection formulations with a high content of organic or inorganic salts can be difficult to stabilize. We have developed a new concept where the adjuvants can be combined to increase bio-efficacy and give your formulation optimal rheology.

Key benefits

- Adsee 1629 + Adsee C-70S work together-optimized ratio gives desired viscosity
- Improves bio-efficacy of the formulation
- Works with Glufosinate, Paraquat, Glyphosate, Fertilizers
- Flexibility - reduce your inventory need with one solution for several formulations
- Robustness – quality differences in the herbicide
- Easy to handle due to low viscosity and liquid nature

Viscosity of Glufosinate-NH4 200 SL



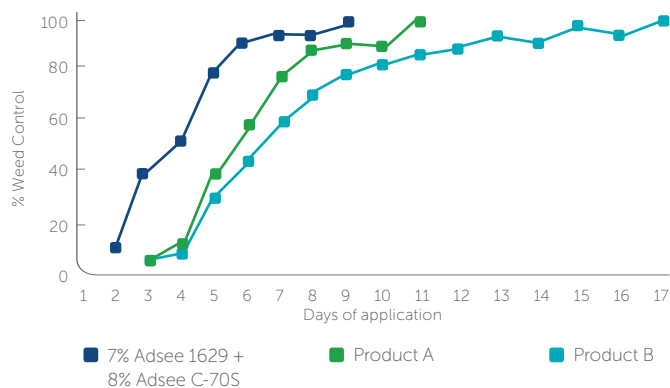
Field trial results

Adsee 1629 + Adsee C-70S has a faster response time (1 day) compared to market products at 1/2 dosage rate. Field trial performed in Indonesia 2016.



Improved bio-efficacy of Glufosinate

Glufosinate-NH4 13.5% (150SL) with adjuvant comparison with two commercial products on the market (A and B).



Product specifications

Adsee 1629

C16 trimethyl ammonium chloride

Property	Value
Appearance at 25°C	clear liquid
Activity	27-30%
Color	0-3 Gardner
Free amine	max 2%
pH	6-9

Adsee C-70S

Coco amidopropyl dimethyl amine

Property	Value
Appearance at 25°C	amber liquid
Activity	27-30%
Color	4-6 Gardner
pH	6.5-8.5

Formulation guide

Glufosinate

Composition	Glufosinate 200 SL	Glufosinate 500 SL
Glufosinate (95%)	17%	41%
Adsee 1629	6%	10%
Adsee C-70S	9%	-
Water	balance up to 1L	balance up to 1L
Viscosity (25°C)	>500 cP	>500 cP

Glyphosate

Composition	Glyphosate-K 540 SL	Glyphosate-KNH ₄ 360 SL	Glyphosate-IPA 450 SL
Glyphosate salt	540 g Glyphosate-K	360 g Glyphosate-NH ₄	450 g Glyphosate-IPA
Adsee 1629	110 g	70 g	75 g
Adsee C-70S	-	30 g	25 g
Water (25°C)	balance up to 1L	balance up to 1L	balance up to 1L
Viscosity (25°C)	>200 cP	>200 cP	>500 cP

Paraquat 276 SL and gel formulation

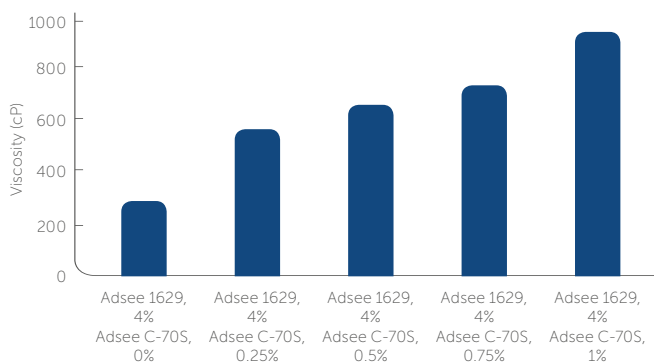
Combination of Adsee 1629 and Adsee C-70S takes you from high viscosity into a paraquat gel.

Paraquat (42%)	60%	60%	60%	60%
Adsee 1629	10%	9%	8%	10%
Adsee C-70S	-	1%	2%	5%
Water	up to 1L	up to 1L	up to 1L	up to 1L
Viscosity (25°C)	117 cP	629 cP	6448 cP	>10000 cP



Fertilizer thickening

Adsee 1629 and Adsee C-70S have, due to their cationic character, extremely good compatibility with organic and inorganic salts. They can be used in extreme salt conditions such as 33% NPK.



Contact us directly for detailed product information and sample request
website | nouryon.com/markets/agriculture
email | agro@nouryon.com

Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of more than 7,900 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands. Visit our website and follow us @Nouryon and on LinkedIn.

All information concerning our products and/or all suggestions for handling and use contained herein (including formulation and toxicity information) are offered in good faith and are believed to be reliable. However, Nouryon makes no warranty express or implied (i) as to the accuracy or sufficiency of such information and/or suggestions, (ii) as to any product's merchantability or fitness for a particular use or (iii) that any suggested use (including use in any formulation) will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. The user must determine for itself by preliminary tests or otherwise the suitability of any product and of any information contained herein (including but not limited to formulation and toxicity information) for the user's purpose. The safety of any formulations described herein has not been established. The suitability and safety of a formulation should be confirmed in all respects by the user prior to use. The information contained herein supersedes all previously issued bulletins on the subject matter covered.

Products mentioned are trademarks of Nouryon and registered in many countries.

nouryon.com