

Adsee 1629 and Adsee C-70S

A powerful combination for high electrolyte challenges

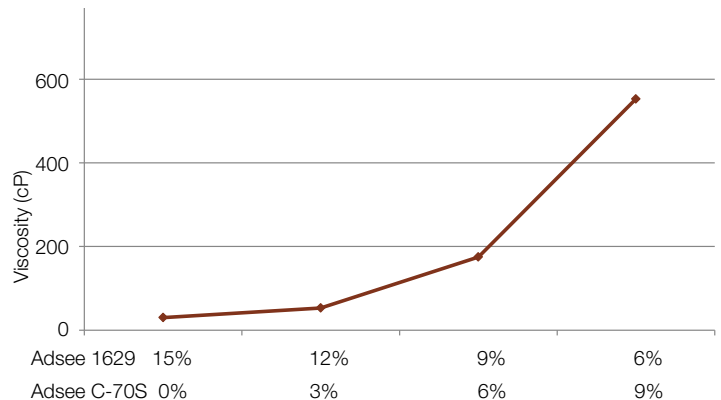


Crop protection formulations with a high content of organic or inorganic salts can be difficult to stabilize. AkzoNobel has developed a new concept where the adjuvants can be combined to increase bio-efficacy and give your formulation optimal rheology. Learn more about **Adsee™ 1629** and **Adsee™ C-70S**.

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 can be compensated by adjusting ratio
- Easy to handle due to low viscosity and liquid nature

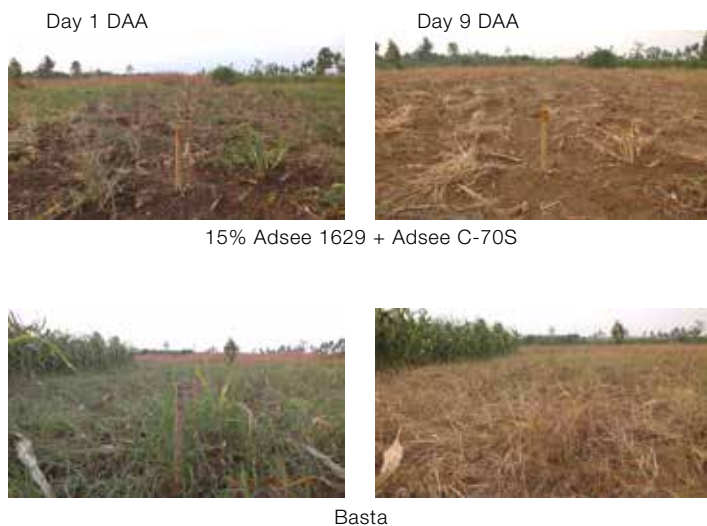
Viscosity of Glufosinate-NH4 200 SL



Field trial results

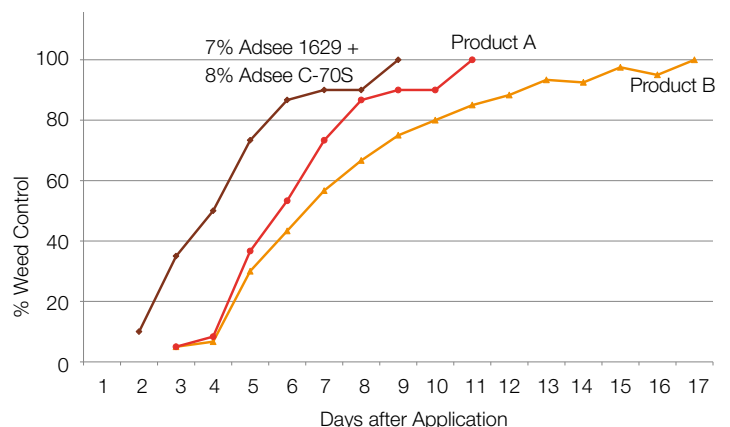
Adsee 1629 + Adsee C-70S has a faster response time (1 day) compared to market products at 1/2 dosage rate.

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 specification

Adsee 1629

C16 trimethyl ammonium chloride

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

Adsee C-70S

Coco amidopropyl dimethyl amine

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



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 1 l	up to 1 l	up to 1 l	up to 1 l
Viscosity (25°C)	117 cP	629 cP	6448 cP	>10 000 cp



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 1 l	balance up to 1 l
Viscosity (25°C)	>500 cP	>500cP

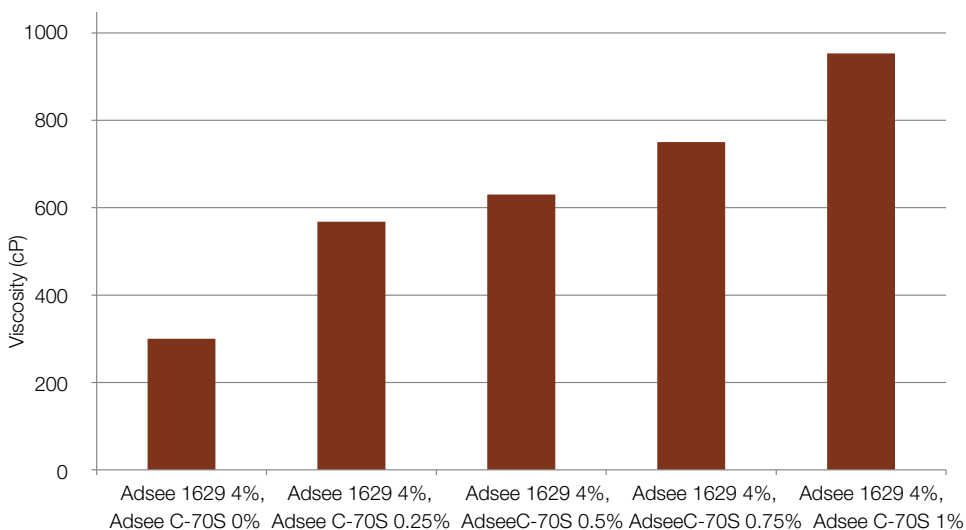
Glyphosate

Composition	Glyphosate-K 540 SL	Glyphosate-NH4 360 SL	Glyphosate-IPA 450 SL
Glyphosate salt	540 g Glyphosate-K	360 g Glyphosate-NH4	450 g Glyphosate-IPA
Adsee 1629	110 g	70 g	75 g
Adsee C-70S	-	30 g	25 g
Water	balance up to 1 l	balance up to 1 l	balance up to 1 l
Viscosity (25°C)	>200 cP	>200 cP	>500cP

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.

Thickening of a 33% solution of 15-15-15 NPK



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AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential color to industries and consumers worldwide. Backed by a pioneering heritage, our innovative products and sustainable technologies are designed to meet the growing demands of our fast-changing planet, while making life easier. Headquartered in Amsterdam, the Netherlands, we have approximately 45,000 people in around 80 countries, while our portfolio includes well-known brands such as Dulux, Sikkens, International, Interpon and Eka. Consistently ranked as a leader in sustainability, we are dedicated to energizing cities and communities while creating a protected, colorful world where life is improved by what we do.