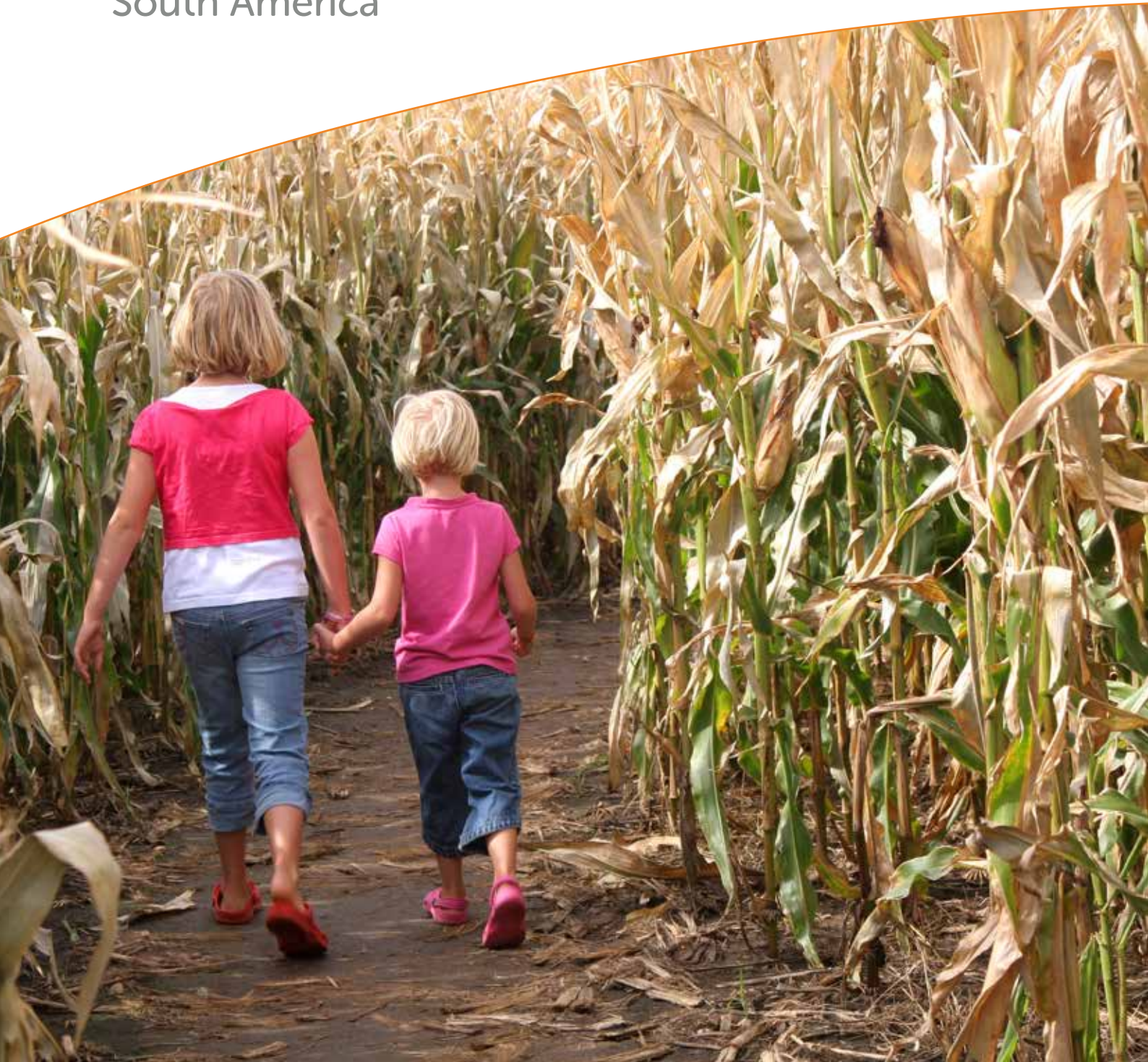


Nouryon

# Ask us for your solutions



Agricultural solution - Product portfolio  
South America



# We will design and supply the ultimate solutions for your needs. Today and tomorrow

Finding ways to enhance your agrochemical products or innovate technologies for crop-protection is what we do. Every day. Nouryon is a global, reliable and sustainable partner with a broad range of environmentally safe, biodegradable and cost effective solutions. Working together will lead to a sustainable future, boosting productivity and yield. Test us.

<sup>1)</sup> 1% in water <sup>2)</sup> Draves test	GENERAL CHARACTERISTICS										SOLUBILITY		FUNCTIONALITY & USE		
	Physical form (20°C)	Description	Active content	Water content	pH <sup>1)</sup>	CMC g/l	Surface tension mN/m <sup>2</sup>	Contact angle	Wetting power <sup>2)</sup> 1g/l	Water	Veg oil	Application area	Function	Prime use	
<b>ADJUVANTS</b>															
Adsee™ 611	Liquid	Fatty amine ethoxylate blend	100%	1%	6-7	0,027	38	66	48 sec	Soluble	Dispersible	TM	Penetrant	Rice, all pesticides	
Adsee™ 900	Liquid	Fatty alcohol ethoxylate	90%	10%	5-7	1.0	26	41	5 sec	Soluble	Dispersible	TM	Penetrant, wetter	Fungicides, SU's, hydrophobic actives	
Adsee™ 907	Liquid	Tallow amine ethoxylate blend	96%	4%	9-11.5	0.062	39.5	71	>10 min	Soluble	Insoluble	SL	Penetrant	IPA Glyphosate 360	
Adsee™ AMP 40	Liquid	Amphoteric	40%	60%	8.5-9.5	13.3	64	102	>5 min	Soluble	Insoluble	SL, SC, EW, ME	Humectant, penetrant	Glyphosate, Glufosinate and fungicides	
Adsee™ C80W	Liquid	Cocoamine propyl amide	87%	13%	9-10	0.02	27	41	5 min	Soluble	Dispersible	SL, WDG	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures	
Adsee™ C-70A	Liquid	Cocoamine propyl amide	30%	70%	6.5-8.5	5.0	33	53	>5 min	Soluble	Insoluble	SL	Penetrant, compatibilizer	K Glyphosate 540, herbicide mixtures, not in TSCA	
Ethomeen® T/18	Liquid	Tallow amine ethoxylate 8	100%	1%					>10 min	Soluble	Partly soluble	SL	Penetrant	IPA Glyphosate 360, SU's	
<b>DISPERSANTS</b>															
Agrilan® 1015	Liquid	Phosphate ester	50%	25%	5.5-6.2	68	32	42	17 sec	Soluble	Insoluble	EW, FC, SC, SE	Dispersant, emulsifier, wetter	Dispersant for aqueous formulations	
Agrilan® 1028	Liquid	Phosphate ester	100%	1%	2-3	0.54	25	36	45 sec	Dispersible	Insoluble	SC, SE, SL	Dispersant, compatibilizer	High electrolyte and fertilizer formulations	
Agrilan® 755	Liquid	Polyacrylate copolymer	30%	19%	3.5-5	NA	NA	NA	>10 min	Soluble	Dispersible	SC, SE, OD	Dispersant, emulsifier, stabiliser	High performance SC stabiliser	
Agrilan® 788	Liquid	Polyacrylate copolymer	40%		8-10	NA	NA	NA	>5 min	Soluble	Dispersible	SC	Dispersant, stabiliser	White, cost-effective	
Agrilan® 789 Dry	White powder	Polyacrylate copolymer	95%	5%	7-8	3.0	42	92	>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, stabiliser	White, hard water tolerant, low foam	
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	0.2%	6.5-7.5	0.2	36	62	163 sec	Soluble	Insoluble	SC, SE	Dispersant, emulsifier, wetter	Versatile, standard co-dispersant for SC with Morwet D-425 Powder	
Morwet® D-360 Powder	Powder	Naphthalene Sulphonate blend	90%	3%	7.5-10	>50	54	95	>5 min	Soluble	Insoluble	WP, WDG, SC	Dispersant	Synergistic blend of LS and NSC	
Morwet® D-425 Powder	Brown powder	Naphthalene sulphonate condensate	88%	4%	7.5-10	>25	60	85	>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Robust, universal, reliable performance	
Morwet® D-500 Powder	Brown powder	Naphthalene sulphonate blend	99%	2%	7.5-10	>25	43		>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, wetting, milling aid	Complete robust solution	
Morwet® D-809 Powder	Brown powder	Naphthalene sulphonate condensate	88%	4%	7.5-10	>25	63	86	>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Dispersant, milling aid	Premium, hard water tolerant	
<b>WETTING AGENTS</b>															
Lankropol® KPH70	Liquid	Diocylsulfosuccinate in mpg/water	70%	11%	5-8	1.6	34	35	4 sec	Opaque sol	Insoluble	EC, EW, ME	Wetter	Extra fast, no colour	
Morwet® 3028 Powder	Brown powder	Naphthalene sulphonate blend	95%	2%	7.5-10	1.5	36	64	20 sec	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low hygroscopicity	
Morwet® DB Powder	Brown powder	Naphthalene sulphonate	75%	3%	7.5-10	0.013	43	66	250 sec	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low active content formulations	
Morwet® EFW Powder	Brown powder	Naphthalene sulphonate blend	95%	2%	7.5-10	6.0	32	65	17 sec	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Extra fast wetting, use with Morwet D-425 Powder	
Morwet® IP Powder	Brown powder	Naphthalene sulphonate condensate	75%	2.5%	7.5-10	7.7	50	87	>5 min	Soluble	Insoluble	SC, WDG, WSG, WP	Wetter	Low foam	
<b>EMULSIFIERS</b>															
Agrilan® AEC145	Liquid / paste	TSP-ethoxylate 15	100%	0.5%	6-7	0.015	41	63	6 min	Soluble	Soluble	EW, ME	Emulsifier	Combine with Lankropol KPH70	
Emulpon™ CO-360	Liquid/paste	Castor oil ethoxylate 36	100%	0.2%	6.5-7.5	0.3	39	73	>10 min	Soluble	Soluble	EC, EW, ME	Emulsifier	Combine with anionic emulsifier	
Ethylan® 324	Paste	Alcohol alkoxylate	100%	0.2%	6-8	0.03	36	56	>10 min	Soluble	Soluble	EC, EW, ME	Emulsifier, stabiliser	Aromatic and Armid DM solvents, spontaneity enhancer	
Ethylan® NS-500LQ	Viscous liquid	Alcohol block copolymer	100%	0.2%	6.5-7.5	0.2	36	62	163 sec	Soluble	Insoluble	EC, EW	Emulsifier, stabiliser	Aromatic and Armid DM solvents, spontaneity enhancer	
Sponto® EC-452	Liquid	Nonionic/anionic blend	100%	0.5%	5-7	NA	29	42	13 sec	Dispersible	Dispersible	EC	Emulsifier blend	Versatile emulsifier- phenoxyes, dinitroanilines, MSO	
Sponto® EC-601	Liquid	Nonionic/anionic blend	100%	1%	5-8	0.034	36	51	>10 sec	Soluble	Dispersible	EC	Emulsifier blend	2,4-D, acetochlor, butylchlor, bromoxonyl EC fomulation	
Witconate® P-1220EH	Liquid	Branched DDBS, Ca salt	60%	1%	5-7	NA	NA	NA	NA	Dispersible	Soluble	EC, EW, ME	Emulsifier	Combine with Ethylan 324 & Ethylan NS-500LQ	
<b>SOLVENTS and OTHERS</b>															
Adsee™ ST4	Liquid	Maltodextrin/vinylpyrrolidone polymer	24%	76%	4-6	NA	NA	NA	NA	Soluble	Insoluble	FS	Binder	Reduce dust-off, improve flowabilit	
Armid® DM10	Liquid	C10 dimethyl amide	100%	0.5%	4-7	NA	NA	NA	NA	Insoluble	Soluble	EC, EW	Oil soluble	Replace NMP and aromatic solvents	
Armid® DM810	Liquid	C8-10 dimethyl amide	100%	0.5%	NA	NA	NA	NA	NA	Dispersible	Soluble	EC, EW	Oil soluble	Replace NMP and aromatic solvents	

EC = Emulsifiable concentrate, EW = Emulsion, oil in water, FS = Flowable concentrate for seed treatment, ME = Microemulsions, OD = Oil dispersions, SC = Suspension concentrate, SE = Suspoemulsions, SL = Soluble liquid, TM = Tankmix, WDG = Water dispersible granule, WP = Wetttable powder, WSG = Water soluble granule

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We operate in over 80 countries around the world and is a leading supplier of specialty surfactants, polymers and solvents. Our agrochemical portfolio of industry-leading brands includes Morwets® (wetting agents and dispersants), Adsee™ adjuvants, Agrilan® dispersants, Armid® solvents, Ethylan® and Ethomeen® (alcohol and amine alkoxylates).

For more information visit [nouryon.com/agriculture](http://nouryon.com/agriculture)

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