

Crop protection

Ataman offers an extensive portfolio of tools for the formulator of crop protection products. Our range for the pesticide inerts and adjuvants segments function as dispersants, wetting agents, emulsifiers, solvents, and compatibilizers in building stable, effective, and safe formulations. Our micronutrients provide a highly bioavailable form of metal nutrient to plants.

Function / Application (Uses)		Inert solvents & cosolvents		Surfactants						Colours		Binders		Other additives		
		Solvent / cosolvent	Wetting agent	Dispersant	Emulsifier	Low foaming agent	Compatibilizer	Formulated blend	Defoamer / foam suppressor	Colorant	Pigment	Wax	Polymer	Chelating agent	Micronutrient	Defoamer (oil-based)
Crop protection	Formulation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Pest control	■								■						
Seed treatment / Coating				■					■	■	■	■		■	■	■
Fertiliser		■	■	■						■	■	■	■	■		
Non-crop / Substrate soil										■	■	■	■	■		

Effects / Solutions	Chemistry	Brands
1 Inert solvents & cosolvents		
Water-insoluble solvents	N,N-dimethyl alkyl amide	Agnique® AMD
	Alkyl ester	Agnique® AE
	Methyl ester	Agnique® ME
	N-octyl-2-pyrrolidone (NOP)	
Water-soluble solvents	N,N-dimethyl lactamide	Agnique® AMD
	γ-butyrolactone Propylene carbonate, N-formylmorpholine, N-methylpyrrolidone (NMP), Dimethylformamide (DMF), Tetrahydrofuran (THF), Dimethylacetamide (DMAc)	
Penetrants / base oils for oil dispersions (OD)	Methyl ester	Agnique® ME
	Fatty alcohol	Agnique® FOH
2 Surfactants		
Wetting agents	Fatty alcohol alkoxylates	Agnique® LVA / TXI Lutensol® XP / XL / TO Plurafac® LF
	Tetramethyldecindiol (TMDD)	
Dispersants	EO/PO block polymer, Polyacrylic homopolymer, Polyacrylic copolymer, Naphthalene sulphonate	Pluronic® PE Sokalan® PA Sokalan® CP Tamol®
Emulsifiers	Castor oil ethoxylates, Fatty alcohol ethoxylates, Fatty alcohol ether sulphates, Fatty alcohol ether phosphates, Linear alkyl benzene sulphonates	Agnique® CSO Agnique® SLES Agnique® ABS Lutensit® Lutensol® TO
Compatibilizer	Alkylpolyglucoside	Agnique® PG
Formulated blends		Agnique® BL, Agnique® MBL
3 Colours		
Colorants	Dyes	Iragon®, Basacid®
	Pigments or pigment preparations	Dispers®, Luconyl® Luconyl® NG, Xfast® Pigmosol®

Effects / Solutions	Chemistry	Brands
4 Other additives		
Chelating agents	Ethylenediaminetetraacetic salt & acid (EDTA) Diethylenetriaminepentaacetic salt (DTPA)	Trilon® B Trilon® BS Trilon® C
Building blocks	1,2 propanediol (1,2 PDO), Diethanolamine (DEOA), Ethylenediamine (EDA), Monoethylamine (MEA), Diethylamine (DEA), Dipropylamine (DPA), Monomethylamine (MMA), Ethylmethylamine (EMA), 2,6-xylidine, Tetrahydrofuran (THF), N-methylpyrrolidone (NMP), Dimethylacetamide (DMAc), N,N'-Dimethyl propylene urea (DMPU), Dimethylformamide (DMF)	
Bases	1,8-diazabicyclo-5,4,0-undecen-7 (DBU)	Lupragen® N 700
	Triethylamine (TEA), Monoisopropylamine (MIPA)	
Salification agents / pH regulators	Tri-octyl / dodecyl amine	Alamine® 336
	Quaternary ammonium salt	Aliquat® 336
	Monoisopropylamine (MIPA), Dimethylamine (DMA)	

Crop protection - Pest control

Effects / Solutions	Chemistry	Brands
1 Surfactants		
Dispersants	Polyacrylic homo- or copolymers, Na-salt	Sokalan® PA Sokalan® CP
2 Colours		
Colorants	Dyes	Iragon®, Basacid®, Puricolor®
	Pigments or pigment preparations	Dispers®, Luconyl® Xfast®, Pigmosol®
3 Binders		
Polymers	Pure acrylate dispersion	Acronal® A 380
	Polyvinylpyrrolidone (PVP)	Sokalan® K



Seed treatment

It's essential to indicate treated seed by color to preclude the inadvertent use in food. Our range fulfill the specific requirements of the agricultural industry regarding product purity, constant composition and country-specific regulations.

Effects / Solutions	Chemistry	Brands
1 Surfactants		
Wetting agents	Fatty alcohol alkoxyates	Agnique® LVA / TXI Lutensol® XP / XL / TO Plurafac® LF
	Tetramethyldecindiol (TMDD)	Hydropolat®
Dispersants	EO/PO block polymer Naphthalene sulphonate	Pluronic® PE Tamol®
	Dispex®, Dispex® Ultra	
2 Colours		
Colorants	Dyes	Iragon®, Basacid®, Puricolor®
	Pigments or pigment preparations	Dispers®, Luconyl®, Xfast® Pigmosol®, Unisperse®
Effect pigments	Natural, mica-based	Mearlin®, Magna® Pearl Lumina®
3 Binders		
Waxes	Polyethylene waxes, Polyethylene wax emulsions	Luwax® Poligen®
Polymers	Water-based resins, Water-based colloids, Water-based emulsions	Joncryl® Acronal®
4 Other additives		
Micronutrients	Single-element chelates (EDTA-, Fe-EDDHA- based)	Chaufer® Libfer®, Librel®
	Mixed-element chelates (EDTA-based)	Librel®
Defoamers	Mineral-oil-based, Natural-oil-based, White-oil-based	Foamaster®
	Modified polydimethyl-siloxane-based, Star-polymer-based	FoamStar®
	Tetramethyldecindiol (TMDD)	
Rheology modifier	Rheovis®	

Fertiliser

A fast growing world population demands the wide-area cultivation of highly economic plants. With various products the agro industry ensures that the nutrient supply of the plants is optimized and limits the loss due to pest infestation.

Effects / Solutions	Chemistry	Brands
1 Inert solvents & cosolvents		
Water-soluble solvents	N,N-dimethyl lactamide	Agnique® AMD
	γ-butyrolactone, Propylene carbonate, N-formylmorpholine, N-methylpyrrolidone (NMP), Dimethylformamide (DMF), Tetrahydrofuran (THF), Dimethylacetamide (DMAc)	
2 Surfactants		
Wetting agents	Fatty alcohol alkoxyates	Agnique® LVA / TXI Lutensol® XP / XL / TO Plurafac® LF
	Tetramethyldecindiol (TMDD)	
3 Colours		
Colorants	Dyes	Iragon®, Basacid®
	Pigments or pigment preparations	Dispers®, Luconyl® Xfast®, Pigmosol®
4 Other additives		
Chelating agents	Ethylenediaminetetra-acetic salt & acid (EDTA)	Trilon® B Trilon® BS
	Diethylenetriaminepenta-acetic salt (DTPA)	Trilon® C
Micronutrients	Single-element chelates (EDTA-, Fe-EDDHA-based)	Chaufer® Libfer®, Librel®
	Mixed-element chelates (EDTA- based)	Librel®
Anti-dust / anti-cracking agents	Polyethylene waxes, Polyethylene wax emulsions	Luwax® Poligen®
Building blocks	Tetrahydrofuran (THF), N-methylpyrrolidone (NMP), Dimethylacetamide (DMAc)	
Inorganic salts	Nitrates, sulphates, urea-tech.	

Non-crop - substrate/soil

In addition to products and technology that support the growth of crops at various stages, ATAMAN CHEMICALS also supplies the Non-crop sector with ranges designed for applications such as forest and landscape management, industrial weed control, colorants, micronutrients, binders, turf, and garden and ornamental plants.