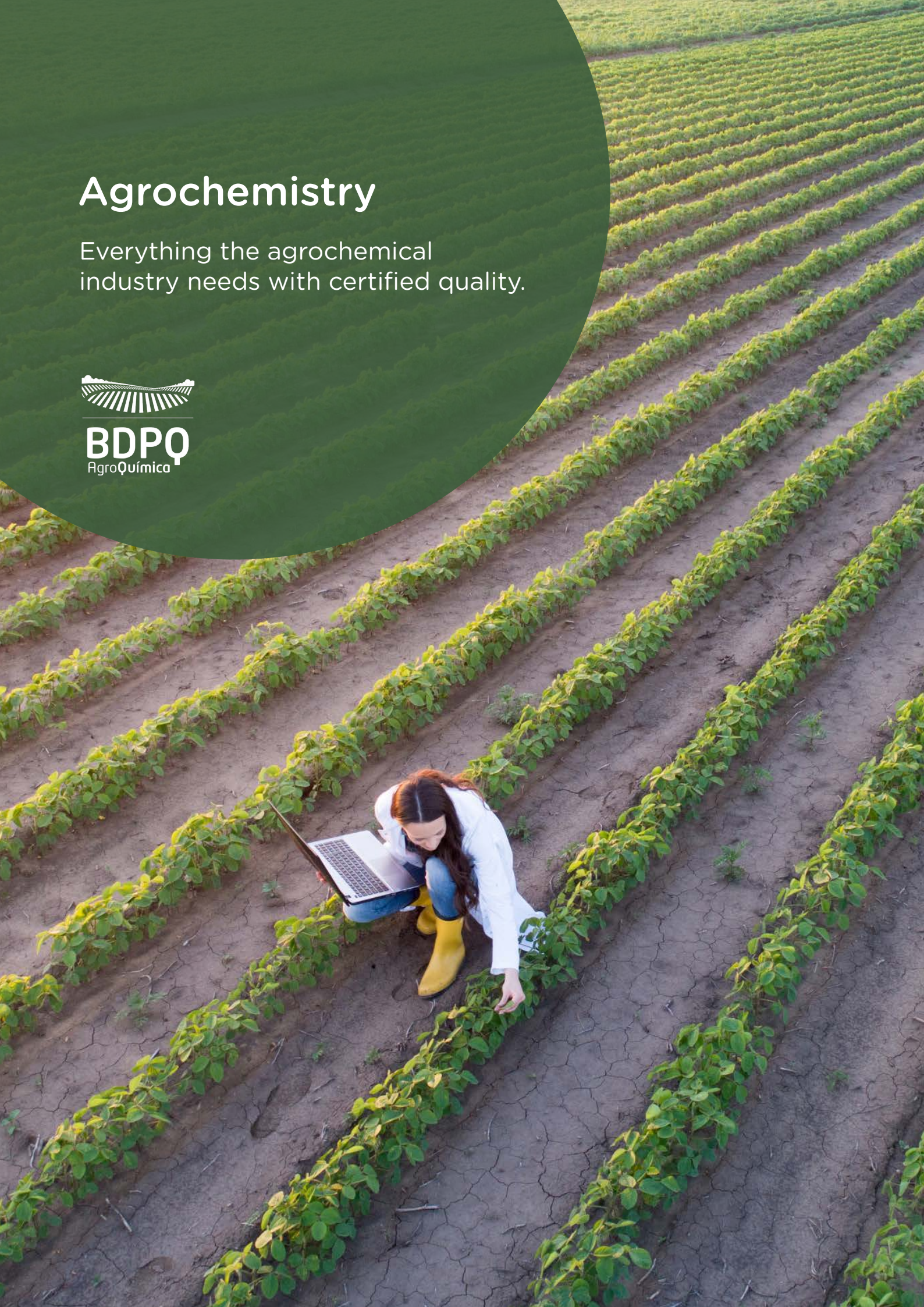


Agrochemistry

Everything the agrochemical industry needs with certified quality.



BDPQ
AgroQuímica



Our range of products:

Family	Product
Active Carbon (BD Carbon)	Vegetable Origin - Coconut Shell
Antifoaming agents (BD Antiskum)	Oil-based antifoaming agents Silicone antifoaming agents
Basic Substances: Authorised in agriculture in accordance with EGR 1107/2016	Acetic acid
	Sodium bicarbonate
	Sodium chloride
	Horsetail decoction
	Diammonium Phosphate (DAP)
	Fructose
	Calcium hydroxide
	Soy, Sunflower and Rapeseed Lecithin (Barcitin range) * Standardised soya lecithin * Hydrolysed Soya Lecithin, easily emulsifiable. * Low viscosity soy lecithin, easily emulsifiable.
	Nettle macerate
	Hydrogen peroxide (oxygenated water)
	Milk whey protein
	Chitosan: *Chitosan L3 HCl (liquid 3%): Medium molecular weight chitosan HCl solution. *Chitosan L10 HCl (liquid 10%): Combination of chitosans specifically formulated for use in agriculture. *Oligo chitosan HCl (low molecular weight). *Chitosan Hydrochloride (medium molecular weight)
	Saccharose
	Talc E553B
	Vinegar (Acetic Acid natural origin 14%)
	Boron and Derivatives
Carbonates and Bicarbonates	Ammonium bicarbonate Magnesium carbonate light/dense Manganese carbonate Potassium bicarbonate Potassium carbonate powder and solution

Family	Product
Chelating and complexing agents	Aluminium lignosulphonate
	Calcium lignosulphonate
	Copper Heptagluconate
	EDTA acid
	EDTA tetrasodium salt 4-H
	Gluconic acid (Sodium gluconate)
	Monoethanolamine
	Sodium heptagluconate
	Sodium lignosulphonate
	Tetramonic EDTA
	Tetrapotassium EDTA
	Triethanolamine
Chlorides	Ammonium chloride
	Calcium chloride 2-H pellets
	Cobalt dichloride 6H
	Copper chloride
	Ferric chloride 6-H pearls
	Ferric chloride Solution
	Magnesium chloride 6-H flakes
	Manganese chloride 4H
	Potassium chloride 97% solution
	Potassium chloride technical
	Zinc chloride 40% solution
	Zinc chloride 98% crystal
Citric and Citrates	Citric acid 1-H and anhydrous powder
	Tripotassium citrate
	Trisodium Citrate 2-H
Colorantes (Fertimac/Proquidet)	Pigments and dispersions for colouring fertilisers
	Water-soluble technical colourants
Essential Amino Acids	Arginine
	Aspartic acid
	Betaine
	Glycine
	Glycine betaine
	L-tryptophan
	Lysine
Monosodium glutamate	

Family	Product
Liquid Chelates (BD Micro): We manufacture your own custom mix by combining the % of metals you need.	DTPA-Fe 6 %
	EDTA-Co 13% (solid)
	EDTA-Co 6,8 %
	EDTA-Cu 9 %
	EDTA-Fe 7,5 %
	EDTA-K-Co 7 %
	EDTA-Mg 3 %
	EDTA-Mn 6 %
	EDTA-Zn 9 %
	Heptagluconate-Ca 5,9%
	Heptagluconate-Cu 4,6%
	Heptagluconate-Fe 4,1%
Minerals and silicas	Calcium carbonate
	Calcium hydroxide
	Ortho-silicic acid
	Perlite (diatomaceous - filtering earths)
	Potassium silicate
	Sodium metasilicate 5-H
	Sodium Selenate
Molybdates	Ammonium heptamolybdate
	Sodium molybdate
Nitrogen derivatives and its salts	Ammonium nitrate
	Calcium nitrate soluble
	Copper Nitrate 3-H solid / solution
	Ferric nitrate 9-H
	Magnesium nitrate 6-H
	Manganese nitrate solid/solution
	Nitric acid 60%
	Potassium nitrate
	Sodium nitrate
	Urea low biruet pearls
Zinc nitrate solution	
Organic acid and its salts	Acetic acid
	Acid Malic
	Ammonium acetate
	Calcium acetate
	Calcium formate
	Calcium propionate
	Peracetic acid
	Potassium formate

Family	Product
Oxides and Hydroxides	Caustic potash 50% (and other dilutions)
	Caustic potash flakes (Potassium hydroxide)
	Hydrogen peroxide (oxygenated water)
	Magnesium hydroxide powder
	Magnesium oxide
	Manganese Oxide
	Zinc oxide
Phosphorus and derivatives	Ammonium Polyphosphate
	Dipotassium Phosphate
	Monoammonium Phosphate
	Monopotassium Phosphate
	Phosphoric Acid 70% (dilutions)
	Phosphoric Acid 85% (dilutions)
	Phosphoric Acid 98,5% (dilutions)
	Phosphorous Acid 99% and HQ
	Phosphorous Phosphate 99% and HQ
	Sodium Tripolyphosphate
Tetrapotassium Pyrophosphate	
Sulphates	Aluminium sulfate
	Ammonium persulfate
	Ammonium sulfate
	Copper sulfate 5-H powder/stone/mineral
	Ferrous sulfate 7-H
	Magnesium sulfate 7-H and anhydrous
	Manganese sulfate 1-H
	Potassium sulfate
	Zinc sulfate 7-H and 1-H
Sulphur and Derivatives	Ammonium thiosulphate solution
	Micronised sulphur 99.5%
	Potassium metabisulphite
	Potassium thiosulphate solution
	Sodium bisulphite
	Sodium metabisulphite
	Sulphuric acid 98% (dilutions)
Thickeners	CMC (Carboxymethylcellulose)
	Guar gum
	Sodium alginate
	Tara gum
	Xanthan gum

Family	Product
Vitamines	Vitamin B1
	Vitamin B12
	Vitamin B6
	Vitamin B9 (Folic acid)
	Vitamin C (Ascorbic acid)
Others	Dextrose
	DMSO (Dimethyl sulfoxide)
	Mannitol
	Nitrification inhibitors (DMMP, DCD, etc.)
	Paraffin (white mineral oil)
	Plant extracts (Cinnamon/Yucca...)
	Potassium permanganate

Biostimulants

Amino Acids of Animal Origin **BD AminoPlus**

Wide range of liquid and solid amino acids with different contents of free and total amino acids. Amino acids enriched with complexed microelements.

Products	Free AA (% p/p)	Total AA (% p/p)	Total Nitrogen (% p/p)	Organic Nitrogen (% p/p)	Hydrolysis	Origin	Presentation	Certificate ECO
BD Amino PLUS L	10,0%	43,0%	6,5%	6,5%	Alkaline	bovine epithelium	Liquid	UNE
BD Amino PLUS L 2 ENZ	1,8%	22,0%	3,7%	3,5%	Enzymatic	bovine epithelium	Liquid	To consult
BD Amino PLUS L 6 ENZ	6,0%	22,0%	4,0%	3,5%	Enzymatic	bovine epithelium	Liquid	UE
BD Amino PLUS L 12 ENZ CF	12,0%	22,0%	4,0%	3,7%	Enzymatic	bovine epithelium	Liquid	To consult
BD Amino PLUS L 24	24,0%	53,0%	8,0%	8,0%	Alkaline	bovine epithelium	Liquid	UNE
BD Amino PLUS S	6,0%	97,0%	15,0%	14,0%	Alkaline	bovine epithelium	Solid	UNE
> BD Amino PLUS S-Fe (Fe; 10%)	4,0%	46,0%	7,4%	7,0%	Alkaline	bovine epithelium	Solid	UE
> BD Amino PLUS S-Ca (CaO;15%)	3,9%	46,0%	7,3%	7,0%	Alkaline	bovine epithelium	Solid	UE
> BD Amino PLUS S-Mn (Mn; 10%)	3,8%	45,6%	7,4%	7,0%	Alkaline	bovine epithelium	Solid	UE
> BD Amino PLUS S-Zn (Zn; 10%)	4,0%	46,3%	7,4%	6,9%	Alkaline	bovine epithelium	Solid	UE
> BD Amino PLUS S COMPLEX	3,2%	38,0%	6,3%	6,0%	Alkaline	bovine epithelium	Solid	UE

(MgO;3% B;0,5% Cu;1% Fe;2% Mn;2% Mo;0,1% Zn;2%)

Amino Acids of Plant Origin **BD Amino**

Wide range of Liquid and Solid amino acids from enzymatic or chemical hydrolysis with different free and total amino acid contents.

Products	AAF (% p/p)	AAT (% p/p)	NT (% p/p)	ON (% p/p)	Hydrolysis	Origin	Presentation	ECO
BD Amino L18	18%	20%	7,7%	2,7%	Acid	soybean	Liquid	To consult
BD Amino L 24 ECO	24%	29%	4,6%	4,6%	Enzymatic	rice/soybean/wheat	Liquid	UE, JAS
BD Amino L 25 PRO	24%	26%	4,6%	4,2%	Acid	soybean	Liquid	UNE,NOP
BD Amino S 45 T	40%	45%	17%	6%	Acid	soybean	Solid	To consult
BD Amino S 45	45%	52%	10%	8%	Acid	soybean	Solid	To consult
BD Amino S 75	75%	80%	13%	12%	Acid	soybean	Solid	UNE,NOP
BD Amino S 75 60 mesh	75%	80%	13%	12%	Acid	soybean	Solid	UNE,NOP
BD Amino S 75 PRO	75%	80%	13%	12%	Acid	soybean	Solid	UNE,NOP

Origin Ascophyllum nodosum algae **BD BioSea**

Seaweed extract (Ascophyllum nodosum) harvested from the cold waters of Ireland. Half of their time is spent under water and half in the open air. This causes them to accumulate metabolites that give them a greater capacity to withstand all kinds of weather conditions.

Products	Alginate Acid	Mannitol	Fucoxanthin	Auxins	Cytokinins	Gibberellins	Process	ECO	pH
BD Bio Sea L 30	5,6%	2,0%	6%	14,1ppm	18,9ppm	24,6ppm	Natural without Chemicals	UNE	4,5
BD Bio Sea Spray Dried	27,5%	7,8%	5,9%	47ppm	53ppm	64ppm	Natural without Chemicals	UNE	4,5

Surfactants

The use of surfactants in the agricultural sector reduces the amount of crop protection products needed and enhances the effect of growth regulators, biostimulants, fertilisers and deficiency correctors. Emulsifiers, humectants, wetting agents and dispersants.

We also offer surfactant mixtures:

- Non-ionic surfactant blends.
- Non-ionic + anionic surfactant blends.



Non-ionic surfactants	TMA	SC	EC	WP	WG	SL	EW	OD	SG	CS	SE	ME	SP
Ethoxylated fatty alcohols	•	•	•			•	•				•		
Propoxylated ethoxylated fatty alcohols	•	•	•				•	•			•		
Ethoxylated castor oils		•	•				•				•	•	
Ethoxylated fatty acids		•									•		
Ethylene oxide and propylene oxide co-polymers		•	•				•				•		
Ethoxylated fatty amines	•					•							
Propoxylated ethoxylated fatty amines	•												
Ethoxylated sorbitan esters (POLYSORBATES)	•		•	•	•	•	•					•	
Polyglycoside alkyl		•				•							
Ethoxylated tristyrylphenols*		•	•				•				•		
Ethoxylated tri-sec-butylphenol*		•	•	•		•	•				•		•

Anionic surfactants	TMA	SC	EC	WP	WG	SL	EW	OD	SG	CS	SE	ME	SP
Alkyl phosphates	•												
Alkyl ether phosphates	•		•										
Alkyl benzene sulphonates	•	•	•	•	•	•	•	•	•	•	•	•	•
Alkyl ether sulfates		•				•							
Alkyl sulfates		•				•							
Xylen sulphonates		•											
Sulfosuccinates	•	•	•		•			•	•			•	
Isethionates	•												
Lignosulphonates		•		•	•								
Phosphated ethoxylated tristyrylphenols*		•	•		•		•		•		•	•	
Naphthalene sulfonates*		•		•	•								

Amphoteric surfactants	TMA	SC	EC	WP	WG	SL	EW	OD	SG	CS	SE	ME	SP
Alkyl betaines	•	•				•							
Alkyl amido propyl betaines		•				•							
Alkyl ampho acetates		•				•							

TMA: Tank Mix Adjuvant

SC: Suspension Concentrate

EC: Emulsifiable Concentrate

WP: Wettable powder

WG: Water Dispersible Granules

SL: Soluble Liquids

EW: Emulsion Oil in Water

OD: Oil Dispersion

SG: Water Soluble Granules

CS: Capsule Suspension

SE: SuspoEmulsion

ME: MicroEmulsions

SP: Water soluble powder

Non-ionic Surfactants

Ethoxylated fatty alcohols	Emulsifiers and humectants
BARTENSID 10/050	Alc. C/10-Iso 5·EO
BARTENSID 10/070 90%	Alc. C/10-Iso 7·EO, 90%
BARTENSID 91/060 90%	Alc. C/9-11 6·EO, 90%
BARTENSID 10PH/090 85%	Alc. C/10 (Propyl Heptanol) 9·EO, 85%
BARTENSID 124/070 90%	Alc. C/12-14 7·EO, 90%
BARTENSID 125/070 90%	Alc. C/12-15 7·EO, 90%
BARTENSID 18/050	Alc. C/18' 5·EO
BARTENSID 18/100	Alc. C/18' 10·EO
> Ethoxylated isotridecyl alcohols	Emulsifiers and wetting agents
BARTENSID 13/030	Alc. C/13-Iso 3·EO
BARTENSID 13/060	Alc. C/13-Iso 6·EO
BARTENSID 13/080	Alc. C/13-Iso 8·EO
BARTENSID 13/080 90%	Alc. C/13-Iso 8·EO, 90%
BARTENSID 13/090	Alc. C/13-Iso 9·EO
Propoxylated ethoxylated fatty alcohols	Emulsifiers and humectants for foam control applications
BARTENSID EP/91/64	Alc. C/9-11 EO/PO
BARTENSID EP/91/84	Alc. C/9-11 EO/PO
BARTENSID EP/124/54	Alc. C/12-14 EO/PO
BARTENSID EP/125/2832	Alc. C/12-15 EO/PO
Ethoxylated castor oils	Emulsifiers and dispersing agents for EC/SC/EW/ME formulations
BARTENSID CO/110	Castor Oil 11·EO
BARTENSID CO/260	Castor Oil 26·EO
BARTENSID CO/350	Castor Oil 35·EO
BARTENSID CO/400	Castor Oil 40·EO
BARTENSID CO/550	Castor Oil 55·EO
Ethoxylated fatty acids	Oil emulsifiers, for SC/SE formulations
BARTENSID OFA/070	Oleic acid 7·EO
Ethylene oxide/propylene oxide co-polymers	Emulsifiers and humectants for foam control applications
BARTENSID EPBC/3111	Co-polymer EO/PO, PM: 1800
BARTENSID EPBC/61/1	Co-polymer EO/PO, PM: 2000
BARTENSID EPBC/62/1	Co-polymer EO/PO, PM: 2200
BARTENSID EPBC/3711	Co-polymer EO/PO, PM: 2600
BARTENSID EPBC/3061	Co-polymer EO/PO, PM: 2900
BARTENSID EPBC/2121	Co-polymer EO/PO, PM: 8800
BARTENSID EPBC/2121 50%	Co-polymer EO/PO, PM: 8800, 50%

Ethoxylated fatty amines	Adjuvants
BARTENSID CFAM/050	Coconut oil amine 5·EO

Polysorbates	Emulsifiers
BARTENSID SML	Sorbitan monooleate
BARTENSID SML/20	POLYSORBATE 20
BARTENSID SMO	Sorbitan monooleate
BARTENSID SMO/20	POLYSORBATE 80

Alkyl polyglucosides	Emulsifiers from organic origin
BARTENSID APG/0810 65%	APG - C8/C10 (Caryl/Capryryl Glucoside), 65% (Transparent)
BARTENSID APG/0810 70%	APG - C8/C10 (Caryl/Capryryl Glucoside), 70% (dark brown)
BARTENSID APG/0814 50%	APG - C8/C14 (Coco Glucoside), 50%
BARTENSID APG/06	APG - C/6 (Hexyl Glucoside), 75%
BARTENSID APG/10 50%	APG - C8-C14 (Decyl Glucoside), 50%
BARTENSID APG/1214	APG - C/12-14 (Lauryl glucoside), 50%
BARTENSID APG/08	APG - Isooctyl glucoside, 60%

Ethox. tristyrylphenol	Emulsifiers
BARTENSID TSF/150	Tristyrylphenol 15·EO
BARTENSID TSF/150 90%	Tristyrylphenol 15·EO 90%
BARTENSID TSF/180	Tristyrylphenol 18·EO
BARTENSID TSF/200 80% (1)	Tristyrylphenol 20·EO 80%

Anionic Surfactants

Alkyl phosphates	Adjuvants
BARTENSID AP/375	Alk. Phosphate C/12-14
BARTENSID AP/295	Alk. Phosphate C/18'-16

Alkyl Ether Phosphates	Adjuvants
BARTENSID AEP/240	Ethoxylated alk. phosphate C/13

Alkylbenzene sulfonates	Anionic emulsifier
BARTENSID LABSA 96%	96% dodecyl benzene sulphonic acid
BARTENSID LAB/CA 65%	65% calcium dodecyl benzene sulfonate (Isobutanol)
BARTENSID LAB/AM	Ammonium dodecyl benzene sulfonate

Alkyl ether sulphates	Humectant
BARTENSID LES 27%	27% Lauryl ether sodium sulfate (2·EO)

Alkyl Sulphates	Humectant
BARTENSID SLS 30%	Lauryl sodium sulfate 30%
BARTENSID SLS P	Lauryl sodium sulfate powder

Xylene sulfonates	Humectant
BARTENSID H-SXS/40	40% Sodium xylene sulfonate
Sulfosuccinates	Humectant
BARTENSID DO/SS 70% (2)	70% DOSS (Ethanol + H2O)
BARTENSID DO/SS 70% (3)	70% DOSS (Mono propylene glycol + H2O)
Naphthalenesulfonate	Wetting and dispersing agent
BARTENSID NSS-368	Naphthalenesulfonate sodium powder
BARTENSID NSS-355	Naphthalenesulfonate sodium powder
BARTENSID NSS-710	Naphthalenesulfonate sodium powder
Lignosulphonate	Dispersing agents
BD Ligno Na S VLS	Sodium Lignosulphonate Powder
BD Ligno Na S D30	Sodium Lignosulphonate Powder
BD Ligno Ca S	Calcium Lignosulphonate Powder
Isethionates	Adjuvants
BARTENSID AMIT	Ammonium isethionate
Taurates	Dispersing agents
BARTENSID ST/MO 40%	Methyl oleyl sodium taurate, 40%
Soaps	Coadjuvant
BARTENSID OFA-K 50%	Potasic Oleate, 50%
BARTENSID CFA-K 35%	Potasic Cocoate, 35%
BARTENSID OFA-K 20%	Potasic Oleate, 20% fluid

Amphoteric surfactants

Alkyl betaines	Adjuvants
BARTENSID NLB/30	N-lauryl betaine 30%
Alkyl amido propyl betaines	Adjuvants
BARTENSID CAPB/30	Coconut amide propyl betaine, 30%
BARTENSID CAPB/45	Coconut amide propyl betaine, 45%
Alkyl ampho acetates	Adjuvants
BARTENSID CAdAdS 50%	Coconut amphoteric sodium acetate, 50%

Non-ionic surfactant Blend

Product	Description
BD BLEND SOILWET 95	Combination of surfactants formulated to increase penetration capacity and horizontal water movement. Increases the wet bulb optimising irrigation and improving the water holding capacity of the soil.
BD BLEND AGRO C1	Surfactant mix especially designed as an emulsifier of vegetable oils and methyl esters of fatty acids, with moisturising and emulsifier qualities for herbicide and fungicide formulations. Use in doses of approximately 20%.
BD BLEND AGRO C2	Surfactant mix emulsifier of vegetable oils and methyl esters of fatty acids at a lower concentration than BD BLEND AGRO C1.
BD BLEND AGRO C3	Herbicide adjuvant based on 2,4-D amino acid salt, fluazifop-p-butyl and cypermethrin. It reduces the surface tension of the herbicide formulation and lowers the solidification point.
BD BLEND AGRO C4	Biodegradable surfactants especially designed for foliar fertilisers, which reduce the liquid's surface tension, thus covering leaves homogeneously.
BD BLEND AGRO C5	Mix of biodegradable surfactants for use with post-emergency herbicides. It is an adjuvant that improves the liquid's adhesion to leaves, increasing its efficacy. Especially indicated for formulas subject to low temperatures.
BD BLEND AGRO C6	Combination of surfactants especially indicated for the preparation of mineral oil emulsions, guaranteeing the formulation's stability.
BD BLEND AGRO C7	Emulsifier for mineral and vegetable oils and derivatives such as paraffin oil, ensuring correct emulsion and stability, even at low temperatures.

Non-ionic + Anionic surfactant Blend

Product	Description
BD BLEND AGRO U3	Water soluble surfactants, especially indicated to guarantee the emulsion and stability of mineral and vegetable oils and derivatives. Designed for formulations subject to low temperatures.
BD BLEND AGRO U4	Water soluble mix of surfactants with great emulsifying properties, used to stabilize herbicides. Indicated for EC/EW formulations, such as those based on 2,4-D acid.
BD BLEND AGRO U4B	Combination of surfactants with great emulsifying and stabilising properties for herbicides. Water soluble and especially indicated for EC/EW formulations such as those based on Cletodim.
BD BLEND AGRO U5	Mix of ionic and non-ionic surfactants, especially designed for the formulation of fungicides, insecticides and herbicides.
BD BLEND AGRO U9	Combination of biodegradable surfactants that increases the adhesion and penetration of insecticides, fungicides and herbicides, so that they are not removed by rain or dew.



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