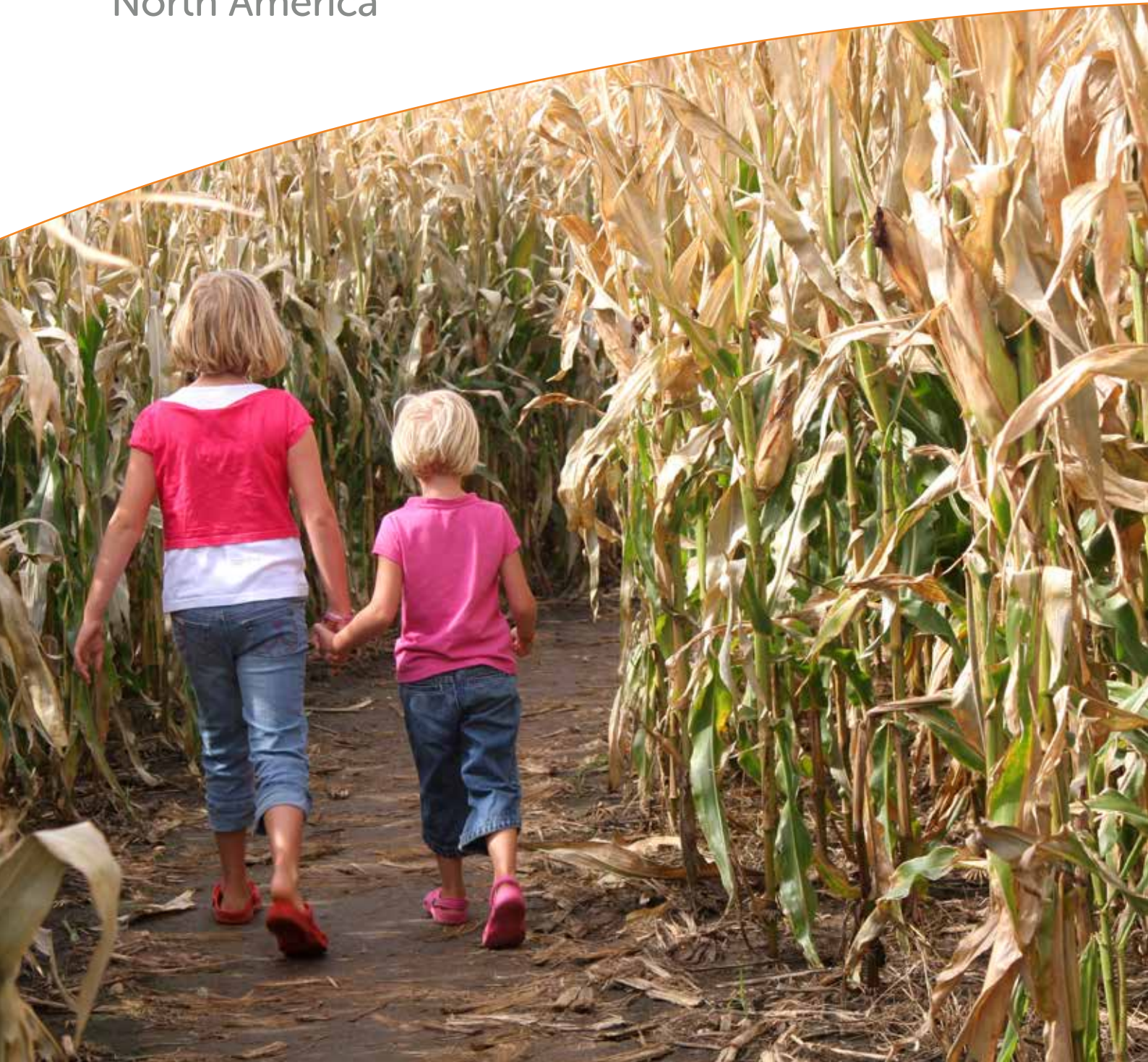


Nouryon

Ask us for your solutions



Agricultural solution - Product portfolio
North 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.

| ¹⁾ 1% in water ²⁾ Draves test | GENERAL CHARACTERISTICS | | | | | | | | | | SOLUBILITY | | FUNCTIONALITY & USE | | |
|--|-------------------------|-----------------------------------|----------------|---------------|------------------|---------|-----------------------------------|---------------|----------------------------------|-------------|----------------|------------------|------------------------------------|---|--|
| | Physical form (20°C) | Description | Active content | Water content | pH ¹⁾ | CMC g/l | Surface tension mN/m ² | Contact angle | Wetting power ²⁾ 1g/l | Water | Veg oil | Application area | Function | Prime use | |
| ADJUVANTS | | | | | | | | | | | | | | | |
| 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™ 973 | Liquid | Alcohol alkoxyolate blend | 100% | 1% | 6-8 | 0.007 | 39 | 68 | >5 min | Soluble | Soluble | SL, SC, SE, TM | Penetrant, humectancy | SU's and Hydrophilic actives, fast uptake | |
| Adsee™ AB 600 | Liquid | Tallow alkoxyolated amine | 100% | 1% | 6-9 | 0.01 | 37 | 66 | 46 sec | Soluble | Dispersible | TM | Penetrant, retention, spreading | Multipurpose | |
| 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 | |
| Ethomeen® C/15 | Liquid | Coco amine ethoxylate | 100% | 1% | 11 | 0.04 | 29 | 47 | 40 sec | Soluble | Soluble | SL | Penetrant | Glyphosate in general | |
| Ethomeen® T/15 | Liquid | Tallow amine ethoxylate 5 | 100% | 1% | 8-9 | 0.006 | 31 | 61 | 80 sec | Soluble | Soluble | SL | Penetrant | Glyphosate in general | |
| Ethomeen® T/25 | Liquid | Tallow amine ethoxylate 15 | 100% | 1% | 9-11 | 0.03 | 39 | 71 | >10 min | Soluble | Partly soluble | SL | Penetrant | IPA Glyphosate 360, SU's | |
| DISPERSANTS | | | | | | | | | | | | | | | |
| 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-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 | |
| WETTING AGENTS | | | | | | | | | | | | | | | |
| 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® 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 | |
| EMULSIFIERS | | | | | | | | | | | | | | | |
| 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 alkoxyolate | 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® CO-120 | Liquid | Block copolymer | 100% | >1% | | | 45 | | >5 min | Soluble | Insoluble | EC, SC | Emulsifier, co-dispersant | Emulsifier in EC and stabilizer for SC | |
| 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- phenoxies, 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 | |
| Witconate® P-1460EH | Liquid | Linear DDBS, amine salt, in 2-EH | 60% | 0.8% | 5-7 | NA | NA | NA | NA | Dispersible | Insoluble | EC, EW, ME, OD | Emulsifier | Aromatic and Armid DM solvents | |
| SOLVENTS and OTHERS | | | | | | | | | | | | | | | |
| 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 are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as crop protection formulations, pharmaceuticals, personal care items, paper, plastics and building materials. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability and innovation, we have established a world-class business and built strong partnership with our customers.

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).

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