

SOIL
SURFACTANTS

 **HydroForce**™

AN **isp**  PRODUCT RANGE

 **CENTAUR**
ASIA PACIFIC



isp
**THE PARTNER
WE TRUST**

Centaur Asia Pacific has formed an exclusive agreement with ISP (Indigo Specialty Products) to distribute their products in the Asia Pacific region. We bring their innovative products via our extensive distribution network to growers and turf professionals throughout the Asia Pacific region.

ISP (Indigo Specialty Products) is a privately-owned business, formed and owned by a team of industry professionals with extensive experience in manufacture, distribution, development and product registration. ISP is focused on manufacturing & supply of plant protection, pest control, plant nutrition, soil surfactant & biological products.

FORMULATED IN AUSTRALIA



ISP is based in Australia and it is their goal to manufacture the ISP product ranges in Australia as much as possible, where they can oversee product quality processes, whilst allowing us the flexibility to modify products to overcome everchanging challenges. ISP ProForce, Intech, and HydroForce Range of Products are formulated in Australia using imported materials. ISP XCel Fertiliser and BioForce Biological range are manufactured in Australia to the highest possible standards.

DEVELOPED & RESEARCHED FOR LOCAL CONDITIONS

ISP is heavily focused on local research and development to ensure our products perform at their peak in the Asia Pacific markets. They actively invest in field trial research programs and modify their formulations to match the local conditions of the key markets in which they operate to maximise performance.

ISP HYDROFORCE SOIL SURFACTANT

The ISP HydroForce range of products focus on optimizing the soil-water-plant interactions to reduce water usage and improve irrigation efficiencies.

- ☞ Comprehensive range of soil surfactant chemistry, providing options for all turf management situations & soil types
- ☞ Concentrated surfactant formulations maximizing active ingredient output & performance
- ☞ Developed & Researched for Australasian & Oceania market

Find the product in this catalogue that best suits your needs!

All HydroForce products have low burn potential

HYDROFORCE™ PRODUCT SELECTION GUIDE BY SITUATION

HYDROFORCE PRODUCT	GOLF COURSES & BOWLING CLUBS					SPORTSFIELDS & STADIUMS	RACETRACKS	SOIL TYPE	
	GREENS & TEES	FAIRWAYS & BUNKER MOUNDS	COURSEWIDE INJECTION	ROUGHS	STRESSED AREAS & CHRONIC LDS			SAND PROFILES	FINER TEXTURED SOILS
ULTRA	●				●	●		●	
ADVANCE	●	●				●		●	●
EXTEND	●	●		●	●	●	●	●	●
RAPID	●	●	●	●		●	●	●	●
RECOVERY	●	●		●	●	●	●	●	●
DEWPRO	●	●				●	●	●	
EVOLVE	●	●		●		●	●	●	●
GALWET	●	●		●	●	●		●	●

HYDROFORCE™ PRODUCT SELECTION GUIDE BY FUNCTION

BENEFIT	FUNCTION	ULTRA	ADVANCE	EXTEND	RAPID	RECOVERY	DEWPRO	EVOLVE	GALWET
INPUT EFFICIENCY IMPROVEMENT	THATCH PENETRANT EFFICIENCY		●		●				
	INCREASES IRRIGATION EFFICIENCY				●				
	INCREASES FERTILISER EFFICIENCY				●				
	INCREASED EFFICIENCIES OF PLANT PROTECTION PRODUCTS	●			●	●			
GROWING CONDITIONS IMPROVEMENT	ENHANCED OVERSEEDING PERFORMANCE		●						
	PREVENTATIVE WATER REPELLENCY TREATMENT	●	●	●					●
	MOISTURE RETENTION IN ROOTZONE	●	●	●					
	FIRMER DRIER PLAYING SURFACES	●	●				●	●	
	LONG TERM RESIDUAL CONTROL OF LDS	●		●					●
	CURATIVE LOCALISED DRY SPOT TREATMENT	●		●		●			●
PLANT BENEFITS	IMPROVES TURF PERFORMANCE AND PLAYABILITY	●	●			●	●	●	●
	IMPROVED TURF QUALITY & HEALTH	●	●	●	●	●	●	●	
	REDUCES TURF WILT	●	●	●	●	●			●
	PROMOTES RAPID RECOVERY OF STRESSED TURF	●		●		●			●
	PROMOTES TURF UNIFORMITY	●	●		●				

HYDROFORCE™ ULTRA

HydroForce Ultra is a newly discovered, innovative modified Block Co-Polymer surfactant technology, altered to enhance adsorption to hydrophobic materials and to radically increase the wettability and responsiveness. The product has been extensively trialled by the US University system (Purdue & Penn State) showing significant benefits. By managing soil water more efficiently, HydroForce Ultra maximises turfgrass quality, health and plant performance. This unique formulation will provide you with consistent control of soil moisture year round.



PACK SIZE:
10 L | 200 L

HYDROFORCE™ ADVANCE

HydroForce Advance is a high performance soil surfactant that is the foundation of an effective rootzone management program. It's safe for all turf species, the key to HydroForce Advance performance characteristics is it's unique combination of powerful, highest quality surfactant technologies fulfilling different roles in the water management processes.



PACK SIZE:
20 L | 200 L

MINIMUM ORDER IS 200 L.

RATE PER 100M2	RATE PER HECTARE
MONTHLY PROGRAM: 125ML IN 8L OF WATER EVERY 30 DAYS OR 62.5ML IN 8L OF WATER EVERY 15 DAYS.	MONTHLY PROGRAM: 12.5L IN 800L OF WATER EVERY 30 DAYS OR 6.25L IN 800L OF WATER EVERY 15 DAYS.

RATE PER 100M2	RATE PER HECTARE
SAND BASED ROOTZONES: 100-300ML APPLY IN A MINIMUM OF 4L OF WATER	SAND BASED ROOTZONES: 10-30L APPLY IN A MINIMUM OF 400L OF WATER
FINER SOIL TYPES: 75-300ML APPLY IN A MINIMUM OF 4L OF WATER	FINER SOIL TYPES: 7-30L APPLY IN A MINIMUM OF 400L OF WATER

- NEW STANDARD FOR STRESS MANAGEMENT IN TURFGRASS. STRENGTHENS THE PLANT'S NATURAL ABILITY TO WITHSTAND STRESS AND DISEASE PRESSURE
- NEW LEVELS OF WETTING PERFORMANCE AND MOISTURE RETENTION
- PROVIDES BOTH CURATIVE AND PREVENTATIVE PERFORMANCE
- PROVEN, NON-BURN FORMULATION

- PREVENTS WATER REPELLENCY ISSUES
- PROMOTES TURF UNIFORMITY
- ESTABLISHES DIMENSIONAL MOISTURE RETENTION IN THE ROOTZONE
- PROVEN, NON-BURN FORMULATION
- FLEXIBLE APPLICATION RATES TO FIT DIFFERENT SOIL TYPES

HYDROFORCE™ EXTEND

HydroForce Extend is a long-term surfactant that gives you guaranteed safe protection against water repellency problems and promotes turf uniformity for up to 90 days.

It outperforms the competition in providing more consistent management of water repellency.



PACK SIZE:
20 L | 200 L
1000 L

RATE PER 100M2	RATE PER HECTARE
SINGLE APPLICATION: 200-500ML IN 8L OF WATER	SINGLE APPLICATION: 20-50L IN 800L OF WATER
SPLIT APPLICATION: 200ML IN 8L OF WATER REPEAT IN 30 TO 45 DAYS	SPLIT APPLICATION: 20L IN 800L OF WATER REPEAT IN 30 TO 45 DAYS

- IMPROVES WATER MOVEMENT AND COMBATS WATER REPELLENCY ISSUES
- ECONOMICAL TO USE ON LARGE TURF AREAS LIKE FAIRWAYS AND SPORTS FIELDS
- SAFE FOR USE ON ALL TURF VARIETIES
- PROVEN, NON-BURN FORMULATION
- STRONG RESIDUAL ACTIVITY PROVIDING A BASE SURFACTANT FOR ANY TURF MANAGEMENT PROGRAM
- PROVIDES BOTH CURATIVE AND PREVENTATIVE ACTIVITY
- HIGHLY CONCENTRATED, 100% SURFACTANT FORMULATION

HYDROFORCE™ RAPID

HydroForce Rapid is a highly concentrated penetrant surfactant that maximizes soil moisture movement into the soil, improving irrigation efficiency, allowing you to save water and energy.

HydroForce Rapid can easily be injected into your irrigation system or tank-mixed with any boom spray application.



PACK SIZE:
20 L | 200 L
1000 L

RATE PER 100M2	RATE PER HECTARE
INJECTION: 20-50ML BOOM SPRAY: 50ML PESTICIDE PLACEMENT: 20-50ML	INJECTION: 2-5L BOOM SPRAY: 5L PESTICIDE PLACEMENT: 2-5L

- GREATLY INCREASES WATER PENETRATION AND IRRIGATION EFFICIENCY
- SIGNIFICANTLY REDUCES RUN-OFF ON SLOPED AREAS
- INCREASES FERTILISER EFFICIENCY
- MOVES FERTILISER AND CHEMICALS INPUTS INTO THE SOIL MORE UNIFORMLY TO MAXIMISE PERFORMANCE
- BETTER TURF PERFORMANCE AND PLAYABILITY

HYDROFORCE™ RECOVERY

HydroForce Recovery is designed to provide rapid recovery from existing water management problems such as localized dry spots. It moves water deeply into problem areas, reducing water repellency and restoring the soil's ability to regain optimum moisture levels. It can also be used as a pre-treatment tool to correct problem areas before starting a regular preventative program.



MINIMUM ORDER IS 200 L.



PACK SIZE:
20 L | 200 L

RATE PER 100M2	RATE PER HECTARE
200-250ML IN A MINIMUM OF 4L OF WATER REAPPLY WITH 200-250ML IN 4L ON A WEEKLY BASIS UNTIL PROBLEM IS ALLEVIATED	20-25L IN A MINIMUM OF 400L OF WATER REAPPLY WITH 20-25L IN A MINIMUM 400L ON A WEEKLY BASIS UNTIL PROBLEM IS ALLEVIATED

- QUICKLY TREATS AND ELIMINATES LOCALIZED DRY SPOTS
- REDUCES TURF WILT
- PROMOTES RAPID RECOVERY OF STRESSED TURF
- PROVEN, NON-BURN FORMULATION
- SAFE TO USE EVEN UNDER HOT, STRESSFUL CONDITIONS
- BIOSTIMULANT IN FORMULATION TO FURTHER ENHANCE PLANT RESPONSE

HYDROFORCE™ DEWPRO

HydroForce DewPro is a concentrated, non-ionic organomodified siloxane based surfactant that works via significantly reducing leaf blade-level surface tension, thereby inhibiting excess moisture build-up and the formation of dew and frost.



MINIMUM ORDER IS 200 L.



PACK SIZE:
5 L | 200 L

RATE PER 100M2	RATE PER HECTARE
1-2 DAY OF CONTROL: 20-30 ML IN 10 L OF WATER	1-2 DAY OF CONTROL: 2-3 L IN 1000 L OF WATER
3-5 DAY OF CONTROL: 40-50 ML IN 10 L OF WATER	3-5 DAY OF CONTROL: 4-5 L IN 1000 L OF WATER

- GREATLY LIMITS DUE OR FROST ACCUMULATION, IMPROVING SPORTSTURF GROWING CONDITIONS
- HIGHLY EFFICACIOUS
- LASTS UP TO 10 DAYS
- LOWER USE RATES

HYDROFORCE™ EVOLVE

HydroForce Evolve is a true soil penetrant, consisting of an anionic soil-amending additive, which modifies surface tension of the hygroscopic (bound) water in the soil profile.



MINIMUM ORDER IS 200 L.



PACK SIZE:
1L

RATE PER 100M2	RATE PER HECTARE
7.5-10ML	750ML-1L

- IMPROVES WATER INFILTRATION AND PENETRATION IN ALL SOIL TYPES, BUT PARTICULARLY EFFECTIVE ON LOAMS AND CLAYS
- ELIMINATES WET/DRY SPOTS
- ENHANCES SOIL AERATION
- HIGHLY TANK MIX FLEXIBLE
- IDEAL FOR USE IN THE WET PERIODS TO KEEP THE ROOTZONE FROM BECOMING OVER SATURATED
- REDUCES COMPACTION
- LOW USE RATES, ALLOWING FOR ECONOMICAL TREATMENT OVER LARGER AREAS

HYDROFORCE™ CALWET

Hydro-Force CalWet is a granular residual surfactant formulation specifically developed for use in fine turf situations. Hydro-Force CalWet is a dual-purpose product and unique in that the granular carrier itself is Gypsum, which is ideal for reducing sodium accumulation in turf soils. The surfactant is a block co-polymer designed to provide preventative and curative control of localised dry spot.



MINIMUM ORDER IS ONE PALLET
(40X25KG BAGS)



PACK SIZE:
25 KG

RATE PER 100M2	RATE PER HECTARE
SOIL SURFACTANT: 3-10KG SODIUM DISPLACEMENT: 5-10KG	SOIL SURFACTANT: 300-1000KG SODIUM DISPLACEMENT: 500-1000KG

- DUAL PURPOSE PRODUCT
- REDUCES SODIUM ACCUMULATION IN SOILS
- RELIEVES AND PREVENTS PROBLEMS ASSOCIATED WITH HYDROPHOBIC SOILS FOR AN EXTENDED PERIOD
- LOW BURN, GYPSUM BASED FORMULATION THAT IS IDEAL FOR USE IN RENOVATION ACTIVITIES OR VIA TOPICAL MAINTENANCE APPLICATIONS
- GRANULAR GREENS GRADE (SGN 150)



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Centaur Asia Pacific has warehousing facilities in Hong Kong, Vietnam, Singapore and Malaysia