

PB - KNAPSACK SPRAYER®  
15LITRES 16LITRES AND 20LITRES CAPACITY  
EUROPEAN STANDARDS AND BRITAIN REGISTERED DESIGN 2025702

DESCRIPTION AND SPECIFICATIONS		
MODEL	15LITRES - 16LITRES (NEW MODEL VERSION)	20LITRES (NEW MODEL VERSION)
Tank Capacity	15Litres - 16Litres Tank Capacity	20Litres Tank Capacity
Pump Type	Piston	
Pump Handle Option	Reversible Pump Handle Option with Left and Right Hand Operation with Padded Shoulder Straps	
Pump Pressure	8.00 Kg/cm² = 8Bars	
Working Pressure	2.0Kg/cm² – 4.0Kg/cm²	
Measurement	448mm × 253mm × 476mm	448mm × 253mm × 530mm
Tank Material	Fibre Reinforced Plastic Tank Material	
Nett Weight	4.30Kg	4.45Kg
Gross Weight	5.20Kg	5.50Kg
Total Weight When Fully Loaded	20Kg	24.50Kg

KNAPSACK SPRAYERS OUTSTANDING FEATURES

- **Sprayer container made of tough Polypropylene and more durable**
- **Other components and accessories are compatible**
- **Container free from leaking problems**
- **LSA/4 adjustable solid cone nozzle gives wider coverage and even distribution**
- **50Mesh filter before control valve is provided to prevent clogging at the nozzle**
- **Twin elbow to provide better penetration and angle of spray**
- **The discharge rate of 1.2Litres per Minute at constant discharge pressure of 56.76Pounds per square inch**

CROP PROTECTION AND IRRIGATION SOLUTIONS

PRODUCT	SPECIFICATIONS	OTHER APPLICATIONS
SHADE NET	<b>MATERIAL:</b> HDPE Monofilament; <b>SHADE FACTOR:</b> 35% TO 75%; <b>GSM:</b> 90 - 300; <b>COLOR:</b> Green + Black / Black / Red / Milky White / Beige; <b>DIMENSIONS:</b> Std Width: 3 Mtrs - 6 Mtrs; Length: As per customer requirement; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Shading; Windbreak; Fruit harvesting; Sunburn Reduction; Evaporation Reduction; Light-hail Protection; Bird Exclusion; Fencing; Organic Production
INSECT PROTECTION NET	<b>MATERIAL:</b> HDPE Monofilament; <b>GSM:</b> 105, 110 and 135; <b>COLOR:</b> Natural White / Milky White; <b>MESH SIZE:</b> 40 (16×10), 50 (20×10); <b>DIMENSIONS:</b> Std Width: 3 Mtrs - 5 Mtrs; Length: As per customer requirement; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Shading; Sunburn Reduction; Evaporation Reduction; Light-hail protection; Fruit Fly Protection; Insect Exclusion; Anti-Thrips; Pest Exclusion; Organic Production; Vineyard netting; Fencing
BIRD PROTECTION NET	<b>MATERIAL:</b> HDPE Monofilament; <b>GSM:</b> 17 - 48; <b>COLOR:</b> Black / Milky White / Natural White; <b>MESH MBS (+/-5%):</b> 7 - 16; <b>STD MESH DEPTH:</b> As per customer requirement. Maximum: 540 Mtrs; <b>STD MESH LENGTH:</b> As per customer requirement. Maximum: 1000 Mtrs Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Shading; Evaporation Reduction; Light-hail Protection; Bird Exclusion; Wind Protection; Litter Barriers; Bird Protection; Crop Support

HAIL PROTECTION NET	<b>MATERIAL:</b> HDPE Monofilament; <b>CONSTRUCTION:</b> Leno & Raschel Warp Knitted; <b>GSM:</b> Leno: 50/56 and Raschel Warp Knitted: 69; <b>COLOR:</b> Natural White / Milky White / Black; <b>MESH SIZE:</b> Leno: 3mm×7mm / 3mm×4mm / 3×2.6mm; <b>DIMENSIONS:</b> Std Width: 3 Mtrs and 5 Mtrs; Length: As per customer requirement; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Shading; Wind Protection; Vineyard; Netting; Fruit Harvesting; Orchard Netting
OLIVE HARVESTING NET	<b>MATERIAL:</b> HDPE Monofilament; <b>GSM:</b> 64 or 84; <b>COLOR:</b> Green + Black / Milky White; <b>MESH SIZE:</b> 20 Mesh; <b>DIMENSIONS:</b> Std Width: 3 Mtrs - 5 Mtrs (Without Joints); Length: As per customer requirement; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Shading; Windbreak; Fruit harvesting; Sunburn Reduction; Evaporation Reduction; Light-hail Protection; Bird Exclusion; Fencing; Organic Production
VINEYARD & ORCHARD NET	<b>MATERIAL:</b> HDPE Monofilament; <b>CONSTRUCTION:</b> Leno Weave; <b>GSM:</b> 50 or 56; <b>COLOR:</b> Natural White; <b>MESH SIZE:</b> 3 mm×2.5 mm and 4mm×4mm; <b>DIMENSIONS:</b> Std Width: 25 Mtrs - 4 Mtrs Length: As per customer requirement; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Shading; Sunburn Reduction; Light-hail Protection; Fruit Fly Protection; Insect Exclusion; Anti-Thrips; Organic Production
GRAPE HARVESTING NET	<b>MATERIAL:</b> HDPE Monofilament; <b>GSM:</b> 54 and 70; <b>COLOR:</b> Green / Black / Blue; <b>MESH MBS (+/-5%):</b> 29 and 36; <b>DIMENSIONS: STD MESH DEPTH:</b> 28 Mtrs; <b>STD MESH LENGTH:</b> As per customer requirement. Maximum: 1550 Mtrs; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Tomato Drying; Vineyard Protection; Bird Exclusion; Raisin Making from Grapes; Floriculture Netting; Fencing
FENCING NET	<b>MATERIAL:</b> HDPE Monofilament; <b>GSM:</b> 90 and 108; <b>COLOR:</b> Orange / Green / Red / Blue / Black; <b>DIMENSIONS:</b> Std Width: 4 ft; Length: As per customer requirement; Fabrication: As per customer requirement; <b>U/V STABILIZED</b>	Multi Terrain Deer Netting; Barrier Netting; Crop Support; Floriculture Bed
OTHER OFFERINGS	<b>CARNATION NET</b> <b>FLORICULTURE NETS</b> <b>CROP SUPPORT NET</b>	

GREENHOUSE IMPORTED POLYTHENE SHEETING (FILMS) AND GREENHOUSE STRUCTURES

Solartuff; Yellow Long Life Film; White Long Life Film; Yellow Thermal Film; White Thermal Film; Indasol Film; Tritermic Film; Photoselective Film; Anti-Blackening Film; Natural Film; Black Film; Strawberry Black Film; White/Black Film; Silver/Black Film; Silver Film; Photoselective Film; Anti-Fog Mulching Film; Small Tunnel Natural Film; Small Tunnel Eva Film; White/Black Film (Hydroponic); Solarization Film; White/Black Silage; Green/Black Silage; Sol-Air “Cooling Film” (Bubble Film)

For all climates, luminous transmissibility as well as thermicity are of vital importance. All regions require early harvest and high yield crops compared with open air crops. Film durability is another important factor to be considered when choosing greenhouse covering. The cost of replacement material and labour are other factors to consider.

Greenhouse Imported Polythene Sheeting are manufactured by Solplast, S.A. Agricultural Plastics - Spain



Your Partner in Agriculture

AGROCHEMICALS • FERTILIZERS • HYBRID SEEDS • CROP PROTECTION AND IRRIGATION SOLUTIONS  
GREENHOUSE IMPORTED POLYTHENE (FILMS) SHEETING

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FUNGICIDES

PRODUCT	CROPS	DISEASES	APPLICATION RATES AND TIMING
<b>AGRILAX 72WP®</b> Mancozeb 640g/Kg + Metalaxyl 80g/Kg	Roses	Downy Mildew	<b>Foliar Spray:</b> 2.5Kg per Hectare; 250g in 100Litres of water; Re-Entry Interval - 6Hours
<b>ALIGATOR 500SC®</b> Fenhexamid 500g/L	Roses	Botrytis	<b>Foliar Spray:</b> 1Litre per Hectare; 100ml in 100Litres of water; Re-Entry Interval - 24Hours
<b>AMIPHOS 386SC®</b> Ammonium Phosphite 386g/L	Roses	Downy Mildew / Phytophthora Root Rot	<b>Soil Drench:</b> 2Litres - 3Litres per Hectare; <b>Foliar Spray:</b> 1Litre - 1.5Litres per Hectare; 100ml - 150ml in 100Litres of water; Re-Entry Interval - 6Hours
<b>CARBOZIM 500SC®</b> Carbendazim 500g/L	Roses	Black Spot and Botrytis	<b>Foliar Spray:</b> 1Litre per Hectare; 100ml in 100Litres of water; Re-Entry Interval - 6Hours
<b>CLIMATE 300SC®</b> Kresoxim-Methyl 300g/L	Roses	Powdery Mildew	<b>Foliar Spray:</b> 500ml per Hectare; 50ml in 100Litres of water; Repeat after 10Days depending on the infestation of shoot growth, seriousness of infection and susceptibility of the variety; Re-Entry Interval - 6Hours
<b>FONIUM 800WDG®</b> Fosetyl-Aluminium 800g/Kg	Carnations / Roses	Botrytis and Downy Mildew	<b>Foliar Spray:</b> 2Kg - 2.5Kg per Hectare; 200g - 250g in 100Litres of water; Repeat application in an interval of 10Days; Re-Entry Interval - 6Hours
<b>OVERALL 500SC®</b> Iprodione 500g/L	Roses	Botrytis	<b>Foliar Spray:</b> 1Litres per Hectare; 100ml in 100Litres of water; Re-Entry Interval - 6Hours
<b>PLANTOC 722SL®</b> Propamocarb Hydrochloride 722g/L	Roses	Downy Mildew	<b>Soil Drench:</b> 3Litres per Hectare; 300ml in 100Litres of water; <b>Foliar Spray:</b> 1.5Litres per Hectare; 100ml in 100Litres of water; Depending on Crop canopyat an Interval of 7Days - 10Days; Re-Entry Interval - 6Hours
<b>PYRIMEC 400WG®</b> Pyrimethanil 400g/Kg	Carnations / Roses	Botrytis	<b>Foliar Spray:</b> 750g - 1.5Kg per Hectare; 125g in 100Litres of water; Repeat at an Interval of 10Days; Re-Entry Interval - 6Hours
<b>ROVA 500SC®</b> Chlorothalonil 500g/L	Ornamentals	Down mildew	<b>Foliar Spray:</b> 1.2Litres - 1.5Litres per Hectare; 120ml - 150ml in 100Litres of water; Re-Entry Interval - 7Days
<b>RUSTOP 250SC®</b> Azoxystrobin 250g/L	Carnations / Roses	Botrytis / Downy Mildew / Leaf Rust / Powdery Mildew	<b>Foliar Spray:</b> 750ml per Hectare; 75ml in 100Litres of water; Re-Entry Interval - 4Hours
<b>SPIRO 250EC®</b> Difenoconazole 250g/L	Roses	Botrytis / Powdery Mildew	<b>Foliar Spray:</b> 500ml per Hectare; 50ml in 100Litres of water; Re-Entry Interval - 24Hours
<b>SPLENDOR 500EC®</b> Spiroxamine 500g/L	Roses	Powdery Mildew	<b>Foliar Spray:</b> 750ml per Hectare; 75ml in 100Litres of water; Apply as an early preventative spray or at first sign of disease; Repeat at 10Days - 14Days intervals depending on the disease pressure; Re-Entry Interval - 12Hours
<b>STROBIN EXTRA 325SC®</b> Azoxystrobin 200g/L + Difenoconazole 125g/L	Roses	Botrytis / Powdery Mildew	<b>Foliar Spray:</b> 500ml per Hectare; 50ml in 100Litres of water; Re-Entry Interval - 24Hours
<b>SULPHUR GOLD 80%WDG®</b> Sulphur 800g/Kg	Roses	Powdery Mildew	<b>Foliar Spray:</b> 2Kg per Hectare; 200g in 100Litres of water; 4 Applications in 10Days interval; Re-Entry Interval - 6Hours

<b>TOPNET 500SC®</b> Thiophanate-Methyl 500g/L	Carnations / Roses	Botrytis / Powdery Mildew	<b>Foliar Spray:</b> 1Litre per Hectare; 100ml in 100Litres of water; Re-Entry Interval - 12Hours
<b>TUCKER 700WDG®</b> Dimethomorph 500g/Kg + Cymoxanil 200g/Kg	Roses	Powdery Mildew	<b>Foliar Spray:</b> 2.5Kg per Hectare; 250g in 100Litres of water; Re-Entry Interval - 24Hours
<b>ZETANIL 76WP®</b> Mancozeb 700g/Kg + Cymoxanil 60g/Kg	Roses	Botrytis / Downy Mildew / Leaf Rust	<b>Foliar Spray:</b> 2Kg - 2.5Kg per Hectare; 250g in 100Litres of water; Repeat Interval of 7Days; Re-Entry Interval - 6Hours

INSECTICIDES / MITICIDES

PRODUCT	CROPS	PESTS	APPLICATION RATE AND TIMING
<b>ACEPRID 200WSP®</b> Acetamiprid 200g/Kg	Carnations / Roses	Aphids / Leaf Miner / Thrips / Whiteflies	<b>Foliar Spray:</b> 200g per Hectare; 20g in 100Litres of water; Re-Entry Interval - 6Hours
<b>ALPHAGURD 10EC®</b> Alphacypermethrin 100g/L	Roses	Aphids	<b>Foliar Spray:</b> 250ml per Hectare; 25ml in 100Litres of water; Re-Entry Interval - 24Hours
<b>AMINO GOLD®</b> Organosilicone 80%	Roses	Red Spidermites	<b>Foliar Spray:</b> 0.75ml of Amino Gold with 0.5ml of Knockbectin 40EC® per Hectare; Re-Entry Interval - 6Hours
<b>CLICK 200SL®</b> Imidacloprid 200g/L	Roses	Aphids / Leaf Miner / Mealybugs / Thrips / Whiteflies	<b>Foliar Spray:</b> 500ml in 100Litres of water; <b>Soil Drench:</b> 4Litres - 5Litres per Hectare; Re-Entry Interval - 6Hours
<b>CLIFF 10.8EC®</b> Pyriproxyfen 108g/L	Roses	Aphids / Thrips	<b>Foliar Spray:</b> 400ml per Hectare; 40ml in 100Litres of water; Apply at first sight of insect attack and repeat at short intervals depending on pest pressure; Re-Entry Interval - 6Hours
<b>FLONEX 15SC®</b> Indoxacarb 150g/L	Roses	Caterpillars	<b>Foliar Spray:</b> 200ml per Hectare; 30ml in 100Litres of water; Re-Entry Interval - 12Hours
<b>FORTUNE AZA 3000EC®</b> Azadirachtin 3000PPM	Carnations / Roses	Aphids / Nematodes / Thrips	<b>Foliar Spray - Carnations:</b> 1Litre per Hectare; <b>Soil Drench - Roses:</b> 3Litres per Hectare; Re-Entry Interval - 10Days
<b>HINDER 500SP®</b> Thiocyclam Hydrogen Oxalate 500g/Kg	Roses	Aphids / Thrips / Whiteflies	<b>Foliar Spray:</b> 400g per Hectare; 40g in 100Litres of water; Applied at an interval of 10Days per season; Re-Entry Interval - 12Hours
<b>HUNTDOWN 500WDG®</b> Pymetrozine 500g/Kg	Roses	Aphids / Whiteflies	<b>Foliar Spray:</b> 600g per Hectare; 60g in 100Litres of water; Re-Entry Interval - 6Hours
<b>KNOCKBECTIN 40EC®</b> Abamectin 10g/L + Acetamiprid 30g/L	Roses	Red Spidermites	<b>Foliar Spray:</b> 500ml per Hectare; 50ml in 100Litres of water; Re-Entry Interval - 24Hours
<b>KNOCKOUT 500SC®</b> Clofentezine 500g/L	Carnations / Roses	Red Spidermites Eggs and Nymphs	<b>Foliar Spray:</b> 600ml per Hectare; 60ml in 100Litres of water; Re-Entry Interval - 12Hours
<b>LANCER 130SC®</b> Imidacloprid 100g/L + Lambda-Cyhalothrin 30g/L	Roses	Aphids / Thrips	<b>Foliar Spray:</b> 500ml per Hectare; 50ml in 100Litres of water; Re-Entry Interval - 6Hours

<b>MATRIC 50SC®</b> Chromafenozide 50g/L	Roses	Caterpillars	<b>Foliar Spray:</b> 500ml - 1,500ml per Hectare; 50ml - 150ml in 100Litres of water; Apply at first site of infestation and repeat every 7Days; Re-Entry Interval - 12Hours
<b>MEGARON 500SC®</b> Diafenthuiuron 500g/L	Roses	Red Spidermites	<b>Foliar Spray:</b> 600ml - 1Litre per Hectare; 60ml - 100ml in 100Litres of water; Re-Entry Interval - 24Hours
<b>MISSILE 75SP®</b> Acephate 750g/Kg	Roses	Leaf Chewing Insects / Leaf Miner / Thrips	<b>Foliar Spray:</b> 1.5Kg in 1,000Litres of water per Hectare; 150g in 100Litres of water; Re-Entry Interval - 6Hours
<b>MITEKING 1.8EC®</b> Abamectin 18g/L	Roses	Red Spidermites	<b>Foliar Spray:</b> 600ml per Hectare; Re-Entry Interval - 6Hours
<b>MITESWEEP 100EC®</b> Hexythiazox 100g/L	Roses	Red Spidermites	<b>Foliar Spray:</b> 500ml per Hectare; 50ml in 100Litres of water; Re-Entry Interval - 6Hours
<b>RULER 50SP®</b> Cyromazine 50%SP	Roses	Leaf Miner	<b>Foliar Spray:</b> 300g per Hectare; 30g in 100Litres of water; Re-Entry Interval - 6Hours
<b>PROSPER 440EC®</b> Profenos 40% + Cypermethrin 4% w/v	Roses	Red Spidermites	<b>Foliar Spray:</b> 1Litre per Hectare; 100ml in 100Litres of water; Spray interval of 7Days - 14Days depending on rate of infestation; Re-Entry Interval - 12Hours
<b>SWORD 200SC®</b> Fipronil 200g/L	Carnations	Thrips	<b>Foliar Spray:</b> 500ml - 1,000ml per Hectare; 50ml - 100ml in 100Litres of water; Re-Entry Interval - 6Hours

BIOSTIMULANT

PRODUCT	ACTIVE INGREDIENT	REMARKS
<b>AGROZYME®</b>	35% Extract from Ascophyllum Nodosum, Proteins, Carboxyl and Hydroxyl Group Biostimulant, Carbohydrates; 15% Nutrient and Plant Growth Regulators (PGR), Stabilizers and Preservatives; 50% Aqueous Solvents; 100% Total	Organic Biostimulant
<b>ATONIK®</b>	Nitrophenolate Mixture 0.6%	S.A.R. (Systemic Activated Resistance) activities / Stimulates the disease defence mechanism of the plant

CROP NUTRITIONS

PRODUCT	DESCRIPTION	APPLICATION RATES
<b>IGNITE®</b> Phosphorous 28% + Potassium 33% of Phosphorous Acid	Applied in the soil and absorbed by the roots and translocated via xylem and phloem vessels throughout the plant. In case of foliar application IGNITE® is translocated through the xylem and phloem vessels top all parts of the plant.	<b>Foliar Spray:</b> 4Litres - 6.5Litres per Hectare; 400ml - 650ml in 100Litres of water; 80ml - 130ml in 20Litres of water; <b>Soil Drench:</b> 5Litres - 6.5Litres per Hectare (0.85ml - 1ml per 10Litres of water per m²
<b>ROOTONE IBA®</b> 3-Indole Butyric Acid 8%	A rooting hormone wettable powder for use in Carnations and Roses that ensures optimum roots setting	