

LACHLAN KENYA LTD

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PRODUCT	ACTIVE INGREDIENT	APPLICATION
HERBICIDES		
ARIANE*	Fluroxypyr 60g, chlorpyralid 23.3g, MCPA 266.7g /L	Post emergence control of wide spectrum of broad leaf weeds in cereals and grass lays
DERBY*	Florasulam 75g, flumetsulam 100g /L	Post emergence control of broad leaf weeds, including Emex, Malva and Galium in cereals
GALLANT SUPER	Haloxypop-R-methyl ester 108 g/L	Post emergence control of grasses in all broad leaf crops, including beans, cotton, lucern, OSR, veg and tree crops
MAMBA* 360SL	Glyphosate 360 g/L ae (480g/L isopropylamine salt)	Non-selective, systemic post-emergence herbicide for the control of perennial and annual weeds in agriculture as well as in non-crop and industrial areas
Tordon 101	Picloram 65g, 2,4-D 240g /L	A potent, residual, systemic herbicide, acting through the leaves, cut surface and roots, for the control of problem annual and perennial broad leaved weeds, bush and trees on non-crop areas including industrial, manufacturing and storage sites, right-of ways such as electricity power lines, pipelines, roads, railways, pastures and rangeland
SANAPHEN D	2,4-D 600 g/L ae (720g/L amine salt)	A selective soluble concentrate hormone type herbicide for the post-emergent control of broadleaf weeds in crops and grass pastures as indicated
FUNGICIDES		
DITHANE* M45	Mancozeb 800 g/L WP	A wettable powder contact fungicide recommended for the prevention and control of a wide number of fungal diseases on all crops. The most effective mancozeb in the market, especially during wet weather due to its particle size and stickability.
Electis 75WG	Zoxamide 83.3g; mancozeb 667g /Kg	A water disposable granule for control of early, late and TUBER blight in potatoes and tomatoes, and for control of downy mildew in ornamentals and grapes.
Sythane 20EW	Myclobutanil 200g /L	An oil in water systemic fungicide for control of rusts, powdery mildew, black spot and scab in ornamentals, beans, soya beans and strawberries
INSECTICIDES		
DURSBAN* 4E	Chlorpyrifos 480 g/L	A broad spectrum insecticide for use on cotton, coffee, pineapples, vegetables etc., as a foliar or soil insecticide; for locust and armyworm control; for public health control of mosquitos, flies and cockroaches; for maize stalk borer control
GLADIATOR* 4TC	Chlorpyrifos 480 g/L plus stabilizer	For control of termites, wood and timber treatment, destruction of termite mounds and nests.
NURELLE* D 50/500EC	Chlorpyrifos 500g; cypermethrin 50g /L	Broad spectrum, dual active insecticide for use on cotton and cereals
RELDAN 40 EC	Chlorpyrifos-methyl 400 g/L	A low toxicity OP insecticide with a very high vapour effect for control of aphids, thrips, caterpillars, DBM in vegetable crops; for the control and prevention of re-infection of bagged stored grains and beans; for grain store fumigation and clean up; Adult mosquito control
RUNNER	Methoxyfenozide 240 g/L	A moult accelerating compound for control of chewing insects such as caterpillars, DBM, spodoptera, loopers and saw fly in ornamentals, brassicas, cotton and export vegetables
SPINTOR DUST	Spinosad 1.25 g/Kg	A grain storage dust for control of Larger Grain Borer (<i>Prostephanus truncatus</i>) and other grain storage pests; control of brucids on dry bean and pea crops

TRACER* 480 SC	Spinosad 480 g/L	A suspension concentrate, low toxicity insecticide with excellent efficacy on thrips, helicoverpa, leafminers and DBM on flowers and export vegetables.
VANTEX 60SL	Gamma cyhalothrin 60g /L	A capsule suspension contact and stomach 4th generation pyrethroid insecticide for control of various insects at low active ingredient doses per acre on flowers, export veg, cotton, coffee and cereals.

BIOLOGICALS & BOTANICALS

ECO T	<i>Trichoderma hazarianum</i> 2x10E9 spores/gram	A biological inoculant for the control of soil born and root diseases and to enhance plant growth
NEEMROC+	Botanical mix that includes neem extracts amongst others	A botanical for control of soil born pests and nematodes, and as a foliar insecticide additive.
BIO-CURE fertilizer / insecticide	Plant extract complex with NPK, natural plant amino acids, enzymes etc.	<p>a. Contact and stomach contact insecticide for Red spider mite, Thrips, White fly and Caterpillar, Leaf miner, Diamond back moth.</p> <p>b. Mode of action: Plant extract complex acts on nerve center system of pests and causes breath inhibition and motion imbalance. It also acts on the metabolic process and prevents gas exchange through damage of bio-membranes</p> <p>c. Application Rate: 1.25-1.5-2.5 ML/L</p> <p>d. For major out break of any insect; apply 3 times with 10 days</p> <p>e. Does not control eggs</p>
GREEN-CURE fertilizer / insecticide	Plant extract complex (including pyrethrum) with NPK, natural plant amino acids, enzymes etc.	<p>a. Contact and stomach contact insecticide for Thrips, White fly and Caterpillar, Leaf miner, Diamond back moth.</p> <p>b. Mode of action: Natural pyrethrum disrupts the normal nerves impulse transmission, causing virtually instant paralysis in insects.</p> <p>c. Application Rate: 1.0-1.5 ML/L.</p> <p>d. Does not like alkaline conditions</p> <p>e. Does not control eggs</p> <p>f. For major out break of any insect; apply 3 times with 10 days.</p>
PHYTONIC fertilizer / fungicide	Plant extract complex with NPK, natural plant amino acids, enzymes etc.	<p>a. Contact fungicide for Powdery and Downey mildew, botrytis.</p> <p>b. Mode of action: Aweganic Phytonic is a protective fungicide. Protective effect results from its eliciting active defense responses of crop plants and inhibits germination of spores, growth of hyphae, and formation of haustorium's</p> <p>c. Application Rate: 2-4 ML/L</p> <p>d. Does not like alkaline conditions</p> <p>e. For major out break of any insect; apply 3 times with 10 days</p>
AGRI-CURE fungicide	Potassium bicarbonate	<p>Important source of potassium for all crops.</p> <p>a. Contact fungicide for Powdery and Downey mildew, botrytis.</p> <p>b. Mode of action: Dehydrating the pathogen and create alkaline conditions which is not favorable for pathogens.</p> <p>c. Application Rate: 2.7-5.7 KG/HA</p> <p>d. Does not like acid conditions</p>
TwinN	selected nitrogen fixing microbes, stabilized by freeze drying and vacuum pack.	A reliable, cost effective selection of high yielding Nitrogen fixing microbes for use as a soil improver on all crops, leguminous and non-leguminous. Gives >50% replacement of synthetic N in broadacre, field, row, tree, horticultural and vegetable crops when applied as a foliar spray or via drip irrigation.

PRODUCT

PACK

CARTON

SPECIALIZED WETTERS

SW 7	Silicon (silicate) based wetter	silicon-oxygen bonds are hydrophobic and the organic clusters are hydrophilic, creating a superior wetting agent, which spreads quickly to cover a large surface area – greater than conventional surfactants. Microscopic examination reveals a high degree of stomatal flooding may also occur which can extend into the intercellular spaces. This enhances the efficacy of products used to control Spider mites and mildews.
SPRAY PLUS	S+N	<p>Enhances pesticide performance by pH adjustment and by neutralizing carbonates and bicarbonates that adversely effect agrochemicals, especially herbicides. Low dosage : 20-40ml/100 lts water can have a dramatic effect on product performance.</p> <p>Increases foliar fertilizers efficiency</p> <p>Decreases the hydrolysis of pesticides in high pH water</p> <p>Avoids reaction of herbicides with Ca++ and Mg++ salts</p> <p>Improves lasting action of nematocides treatments</p>

WATER TREATMENT, ACIDIFIERS & SOIL ACIDIFIERS

LOWER 7	15 % N (w/w) 100 % ureic nitrogen 40 % SO ₃ (w/w) = 16 % S Sulfuric acid equivalent = 49 (% w) Density: 1,5 kg/l pH < 1 EC= 44 mS/cm at 20 °C	Water and soil acidification. Nitrogen and sulphur fertilizer. Neutralizes calcium carbonate and bicarbonate Hydrolyzes cellulose residues in water Prevent clogging of drip emitters and irrigation sprinklers Anti-crustant Cleaning and maintenance of pipelines
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Fulvic Acid powder	Dark brown powder Water soluble Fulvates (Dry Basis) 85% Min. Fulvic Acid (Dry Basis) 70% Min. Moisture 15% Max.	A powerful organic electrolyte, which can balance and energise all cells (an electrolyte is a substance soluble in water and other mediums, which is capable of conducting an electrical current). The physical well-being of plants and microbes is determined by proper electrical potential.
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Bioxx 5000	Stabilized chlorine dioxide containing 5,000 ppm	Bioxx is a colorless, odorless liquid, nontoxic, non corrosive and nonflammable. It is a wide spectrum bactericide, fungicide, virucide and algacide to be used as a disinfectant in many agricultural applications in export veg and flowers and in activities involving human and animal consumption of foods and beverages. Bioxx is also used in the disinfection and prevention of contamination in hospitals, hotels and restaurants, etc. Bioxx is 160% more effective than chlorine and 10 times more stable, and is not effected by pH.
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FOLIAR FERTILIZERS AND TRACE ELEMENT APPLICATIONS

Vitazyme	VITAZYME is an all-natural liquid biostimulant for soil organisms and plants that contains over 12 biological activators. These active agents include vitamins, enzymes, and other powerful but gentle growth stimulators such as B-vitamins, triacontanol, glycosides, brassinosteroids, and porphyrins.	VITAZYME is an all natural biostimulant that works through multiple active agents and multiple modes of action. Vitazyme stimulates the indigenous soil microbiota to work more efficiently, thus improving the availability of soil nutrients.
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Boramin Ca	Calcium (CaO): 8 % Free aminoacids: 4,58% Total Nitrogen (N): 4,89% Boron (B): 0,20%	Boramin Ca, is a liquid product especially designed to correct Calcium deficiencies. Formulated with Calcium, Boron and L- aminoacids, obtained by enzymatic hydrolysis of homogeneous material of vegetal origin. These aminoacids improve absorption of Calcium through the leaves and translocation into the plant, increasing its mobility and helping to correct deficiencies in the plant.
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Trafos K	Phosphorous (P ₂ O ₅) 42 % Potassium (K ₂ O) 28 %	PK balanced solution for improving yield, quality and plant health. Foliar applied with highly mobile translocation up and down the plant. Phytoalexins, phenols = natural defense of the plant vs phytophthora and mildew attack.
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Fainal K	K ₂ O 46.2 %; Ureic N 4.5%	Concentrated potassium foliar fertilizer, with bicarbonate scrubber, to improve fruit and vegetable size, improve quality, sugar content, taste and colour, improve shelf life and storage, improve tolerance to stress and has an effect on diseases
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SOIL TREATMENT AND SPECIALIZED FERTILIZERS

HUMICAL	Humic acids 8% w/w; Fulvic acids 2% w/w; EDTA-Calcium 2.8% w/w; K ₂ O 6% w/w	improves fertilizer uptake; optimizes water availability; increases stress resistance; acts as a source of calcium. Applied via the drip in ornamentals and export vegetables
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SALTRAD	Calcium (CaO) 9.8%; Sulfur (SO ₃) 21%; Organic acids (fulvics) 23.4%	Prevents and solves salinity problems. Ca replaces Na; displaced Na reacts with S as Na ₂ SO ₄ which is soluble and thus leached; Organic acids enhance CHC and CEC, neutralizing Na toxicity and complexing and protecting the Ca.
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HUMATECH SH GRANULES	Dark brown granules 2mm-5mm Water Soluble Potassium Humate (Dry Basis) 85%Min. Humic Acid 70% Min. Potassium 10% Min. Moisture 15% Max.	Mix SH granules, Boron granules or Blakmajik with bulk fertilizers, upto a max of 5% . 2.5 Kgs /50 Kg bag DAP or Urea • Humic acid is a powerful fungi stimulant. Beneficial fungi are the missing link in many soils. • Stabilises nitrogen and improves nitrogen efficiency (ideal as an additive with urea). • Complexes phosphate to reduce lock-ups (ideal as an additive with DAP/MAP, etc). • Natural chelating and complexing agent to help magnifi
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HUMATECH BORON GRANULES

Dark brown granules 2mm-4mm	• Natural chelating and complexing agent to help magnify nutrient absorption.
Active Principle 90% Min.	• Increases the permeability of cells to increase nutrient uptake by up to 40 %.
Humic Acid 40% Min.	• Contains an auxin-like growth stimulant that can enhance cell division and elongation.
Effective Boron (B2O3 Dry Basis) 10% Min.	• Can buffer the effects of excessive elements (particularly sodium), toxic chemicals and heavy metals.
	• pH buffering capacity to help neutralise the problems associated with pH extremes.
	• Features a CEC of 450 which aids in moisture and nutrient retention.
Water Soluble Potassium Humate (Dry Basis) 85%Min.	• Promotes seed germination in a shorter time.
Humic Acid 70% Min.	• Has a nature which assists in soil wetting.
Potassium 10% Min.	• Promotes soil structure improvement by stimulating func
Moisture 15% Ma	

BLACK MAJIK

Seaweed solids: 95%	• Can be a valuable rescue remedy during periods of stress.
Available Phosphorus 2 %	• Improves crop quality and associated shelf-life.
Soluble Potash 16 %	• Boosts soil life activity, particularly the fungal fraction.
Sulfur 1.5 %	• Reduces maturation time.
Magnesium 0.45 %	• Offers DIY chelation, as it contains a chelating agent called mannitol.
Calcium 0.15 %	• Increases brix levels with an associated reduction in insect attraction.
Boron 125 ppm	• Contains broad-spectrum trace elements in naturally chelated plant available form.
Iron 200 ppm	• Boosts flowering and improves the flower to fruit ratio
Copper 40 ppm	
Zinc 70 ppm	
Also contains over 60 micronutrients, 17 amino acids and four plant growth stimulants.	

NUTRI-KELP POWDER

	Zeba is a new patented soil amendment that absorbs and releases water as needed by plants to help growers produce consistently higher-quality, greater-volume yields, using reduced inputs and water.
	• Zeba reduces plant stress caused by heat and limited water availability.
	• Zeba maximizes crop input investments by absorbing and releasing soil nutrients, water-soluble fertilizer and chemicals in the same manner as water.
	• Zeba outperforms synthetic polyacrylate and polyacrylamide (e.g., PAM) superabsorbents through its ability to both hold 400 times its weight in water and slowly release more than 95 percent of the held water easily back to the plant upon demand
• Based on natural cornstarch, Zeba is nontoxic, biodegradable, pH-neutral and safe for all plants and soils.	

ZE-BA

CHELATED ELEMENTS AND PRODUCTS. SOIL AND FOLIAR TREATMENT

	Large pH stability range from pH4 to 10; Bentley Plus is the only micromix in the market which offers such "maximum" insurance factor.
	High Solubility: 100% water-soluble and doesn't contain any anti-dust oil. Keeps your tanks clean!
	Micronutrients fully chelated: Bentley Plus has one of the highest chelation rates in the market.
	Bentley Plus is a chemical mix: each granule has same composition. This guarantees uniformity and consistency of micronutrients supply to crops. Unlike physical mixes.
BENTLEY, TRADECORP	
Iron EDDHA & EDTA 5.9%; MN EDTA 3%; B 1.4%; Cu EDTA 0.47%; Zn EDTA 0.7%; Co 0.015%	

	Ortho-ortho isomer protects iron from the presence of carbonates, other metals and edaphic elements present in calcareous and alkaline soils. It is responsible for iron stability in the soil and a slow persistent release throughout crop cycle. Ortho-para isomer releases Fe more quickly and helps with speed of action and shock effect in deficient plants. Ultraferro has the optimum balance of these isomers
ULTRAFERRO	
EDDHA Iron 6% chelated in ortho-ortho position min 3.5%	

	0.28 % Cu EDTA 7.5 % Fe EDTA 3.5 % Mn EDTA 0.7 % Zn EDTA 0.65 % B EDTA 0.3 % Mo EDTA	
TRADECORP A-Z		
TRADECORP Cu	Cu EDTA 14.5%	MICROGRANULAR FORM: The EDTA chelates are produced in microgranular form and do not suffer particle adhesion as got with powder formulations.
TRADECORP Zn	Zn EDTA 14%	CHELATION GRADE: The technology applied allows products to be obtained with a high chelation grade: higher than the 93%, condition that do not perform most of the competitive products of the market
TRADECORP Ca	Ca EDTA 14%	Range of pH for which a good stability of the chelated fraction is guaranteed: pH 4 - 9
TRADECORP Mg	Mg EDTA 10%	
TRADECORP Mn	Mn EDTA 13%	
TRADECORP Mn-Zn		

MAXFLOW Ca	CaO 54%	
MAXFLOW Mg	MgO 55%	High concentration of nutrients. Concentrated suspension (flow) formulations for foliar application to prevent and correct deficiencies. Formulations include spreaders and stickers to ensure homogenous distribution and coverage of leaf surface; particle size permits high level of foliar uptake of nutrient; Cost effective source of nutrients, especially calcium.
MAXFLOW Mn	Mn 48%	
MAXFLOW Zn + Mn	Zn 35% + Mn 25%	

TRADEBOR	Boron 11%	
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