



BIOSTIMULANTS



LIQUID



ECO-FRIENDLY

Humic80 Ultra™

Humic80 Ultra™ is a specially designed liquid formulation composed of humic acid (derived from Leonardite), bio-stimulants extracted from kelp and contains some natural fermentation by-product of selected beneficial microbes. Humic80 Ultra™ is an excellent facilitator of increased biological activity in soil, especially when applying biologicals. When thinking of soil and plant health, Humic80 Ultra™ is a must in your program.

The Humic80 Ultra™ Advantage

- Humic80 Ultra™ has high water holding capacity while increasing the soil cation exchange capacity (CEC). This helps in reducing nutrient leaching, especially Nitrogen-based fertilisers.
- Humic Acids CEC ranges between 130 – 500 meq. Using Humic80 Ultra™ with Urea helps accelerate the nitrification process, as biologicals are attracted to humic acid as a food source which is high in natural carbon.
- The specialty Bio-stimulants contained in the Humic80 Ultra™ infuses the soil with cytokinin, gibberellins, auxins and betaines which all play a role from cell division and elongation for root initiation, flowering and fruit sizing & development.
- Humic80 Ultra™ also increases nutrient uptake and distribution throughout the plant and increase

Guaranteed Analysis

Humic Acid	10%
Biostimulants	0.05%

stress tolerance such as heat, cold, wind and crop load.

- Humic80 Ultra™ has a pH of around pH 8-8.5 making it more compatible with most chemistries and is highly recommended in both acidic and alkaline soils.

Benefits

- Easy to use liquid for soil or foliar applications
- Lower pH than most Humic and kelp products
- Increases nutrient uptake and availability
- Increases root initiation and growth especially when used early in crop development
- Increases plant growth
- Always use in conjunction with good nutrition inputs
- Humic80 Ultra™ can be used on all crops at any stage of growth
- When applied together with fertilisers or pesticides, the use of humate increases the efficacy of the companion materials

CHEMICAL BENEFITS OF HUMIC80 ULTRA™	PHYSICAL BENEFITS OF HUMIC80 ULTRA™
Increases buffering properties of the soil	Makes soil more friable and helps prevent soil compaction
Rich in both organic and mineral substances essential to plant growth	Improves soil workability
Retains water soluble fertilisers in the root zones and releases them to plants when needed	Increases aeration of soil by supplying carbon and oxygen
Has an extremely high CEC (cation exchange capacity). Acting like a magnet around the root system trapping moisture & nutrients for a longer period of time, improving crop growth	Increases water holding capacity (CEC)
Promotes the conversion of insoluble nutrients into available forms for plants (especially in acid soils)	Improves soil biology populations



Available Pack Sizes

18.92 L

Application Guidelines

CROP	SOIL APPLICATION	
	TIMING	RATE
FRUIT		
ORCHARDS: Apple, Avocado, Pome & Citrus	Early in spring as leaves flush Repeat before flowering Repeat after fruit set Repeat mid-season Post-harvest	10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha
TROPICAL FRUIT: Banana, Mango, Durian, Jack fruit, Pawpaw, Papaya & Dragon fruit	Early in spring Repeat every month until harvest	10-40L/ha 10-40L/ha
TREE CROPS: Almonds, Stone fruit & Cherries	At early bud burst Repeat before flowering Repeat every month or as needed	10-40L/ha 10-40L/ha 10-40L/ha
TREE NUTS: Walnuts, Pistachios Macadamia & Pecan	Early in spring as leaf flush Repeat before flowering Repeat after fruit set Repeat mid-season Post-harvest	10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha
ALL BERRY CROPS	At crop establishment Repeat every month	10-40L/ha 10-40L/ha
VINEYARD CROPS: Wine & Table grapes	Once shoots are at 30-40cm Repeat before flowering Repeat after fruit set Repeat mid-season Repeat at early veraison	10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha
VEGETABLES		
TUBER/ ROOT/BULB VEGETABLES: Potato, Parsnip, Peanuts, Onion, Garlic, Carrots, Beetroot & Ginger	After planting at 1st irrigation Repeat after early emergence Repeat at tuber/root & bulb formation Repeat every month thereafter	10-40L/ha 10-40L/ha 10-40L/ha 10-40L/ha
FRUITING VEGETABLES: Tomato, Caps, Eggplant, Cucurbits Chili & all Melons	After transplanting Repeat every month thereafter	10-40L/ha 10-40L/ha
BRASSICA VEGETABLES	After planting in sprinklers Repeat every 2-3 weeks Repeat before head formation	10-40L/ha 10-40L/ha 10-40L/ha
LEAFY VEGETABLES	After planting in sprinklers Repeat every 2 weeks	10-40L/ha 10-40L/ha
OTHER		
ORNAMENTALS	After crop establishment	10-40L/ha
SEEDLING TREATMENT	At emergence	10-20ml/1L

For more information on application rates and timing relevant to your crop or circumstances please contact your local distributor or visit www.zadco.com.au

Disclaimer: Any rates of application and timing may vary and are subject to change according to crop variety, crop demand for nutrient/s, seasonal variations, and crop circumstance. Technical advice is provided to growers on the basis that the information supplied by the grower or agent is correct and that any technical support obtained from third parties (e.g. soil and leaf analysis results) is also correct at the time of preparation of the report. Zadco does not accept any liability whatsoever and howsoever arising from the use of the technical advice and the products used, should the information supplied to Zadco be incorrect or inaccurate. For warranty details, please refer to JH Biotech's warranty on the product label.

Compatibility

- Always run a compatibility test before applying with other chemicals
- Humic80 Ultra™ is COMPATIBLE with most fungicides, insecticides and herbicides

Product Storage and Handling

- Humic80 Ultra™ is stable under normal storage conditions
- Avoid overheating or freezing, exposure to moisture, heat and sunlight. Store in a cool, dry place
- Dispose of product/container in accordance with federal, state and local regulations

Plant and Environmental Safety

- Harmless to plants and is non-phytotoxic when applied according to label directives
- Harmless to wildlife and is environmentally friendly