

A high analysis suspension of MANGANESE blended with a special ratio of kelp extracts designed to provide an energy boost for early vigour and improved plant health.

MAJOR BENEFITS OF USING MANGANESE

- Formulated with a concentrated balance of MANGANESE, kelp extract to ensure maximum nutritional utilisation.
- Easy to use free-flowing formulation compatible with a wide range of agricultural products.
- Contains concentrated kelp extract - a natural source of plant auxins, important for seed germination and root growth.
- Accelerates seedling development through increased availability of essential nutrients from germination. It also assists with nitrate assimilation.
- Formulated with micronised particles to ensure uniform particle coverage and increased plant uptake.
- Uniquely formulated to be used as a quality foliar feed.

THE ROLE OF MANGANESE

Manganese is essential as an enzyme activator which helps with nitrate assimilation. It is also primarily involved in photosynthesis and chlorophyll production.



DEFICIENCY - MANGANESE

Manganese influences auxin levels in plants and is required for maximum activity of many enzyme reactions found in the citric acid cycle.

Main symptoms of manganese deficiency include:

- Leaf speckling
- Light green blotches between main veins
- Dark green borders around the main veins
- Speckling on leaves and in oats known as 'grey speck'
- Interveinal chlorotic areas become pale green or dull yellow
- Susceptibility to root diseases



PRODUCT CHARACTERISTICS

Specific gravity: ~1.60
Colour: Beige

Analysis	Weight/Volume Percent (w/v)%
Manganese (Mn) present as oxide	40

DIRECTIONS FOR USE - FOLIAR APPLICATION

CROP	RATE L/Ha	MINIMUM DILUTION	CRITICAL COMMENTS
CEREALS - Foliar	0.5 - 1.5	1 : 50	Apply at 5 to 8 true leaf to completion of tillering. In severe deficiency repeat after 14 days
- Aerial	1.0 - 2.0	1 : 20	
AVOCADO	2.0 - 4.0	1 : 50	Fertigate through irrigation
ASPARAGUS	1.0 - 2.0	1 : 100	Apply when sufficient leaf area and before ferns die back
BEANS / PEAS	1.0 - 1.5	1 : 60	Apply from flowering to pod filling
BRASSICAS / CANOLA	1.25 - 1.5	1 : 50	Apply at 5 to 8 true leaf
CARROTS	1.0 - 1.5	1 : 60	Apply when sufficient leaf area and then 10 day intervals if necessary
CITRUS	1.25 - 1.5	1 : 300	Apply at spring and autumn growth flush
COTTON	1.0 - 2.0	1 : 60	Apply at squaring and during boll filling as required
CUCURBITS	1.0 - 2.0 1.0	1 : 100 1 : 300	Apply at development of extensions shoots and again post-petal fall / fruit development at the lower rate.
LETTUCE	1.0	1 : 60	Apply when sufficient leaf area to receive spray
LUCERNE	1.0	1 : 40	Apply when sufficient leaf area and also at formation of flower bud
ONIONS	1.0	1 : 100	Apply when sufficient leaf area
POTATOES	1.0 - 1.5	1 : 80	Apply at 7 to 28 days post emergence
POME FRUIT	1.0 - 1.5	1 : 300	Apply at pink bud and repeat after 21 days if required
PULSES AND LEGUMES	1.0 - 1.5	1 : 50	Apply once pods on main stem have formed, are about 35mm in length and flowering is complete on secondary stems For severe deficiencies, apply additional spray when plants are 10 -15cm in height
STONE FRUIT	1.0 - 1.5	1 : 300	Apply as fruit develops; repeat in 14 days if necessary
STRAWBERRIES	1.0 - 2.0	1 : 100	Apply during green bud
SUGAR CANE	1.0	1 : 100	Apply when cane is 1 metre high
TROPICAL FRUIT	1.0 - 1.5	1 : 300	Apply to newly hardened flush
VEGETABLES	1.0	1 : 100	Apply when sufficient leaf area.
VINES	0.75	1 : 300	Apply 3 sprays: 1 at shoots 30 - 40cm with a further 2 applications 21 days apart

NOTE:

- All suggested application rates are for typical Australian conditions, and should be used as guidelines only. Individual conditions; such as climate, water quantity, soil type and application practices may differ, necessitating corrections to ensure optimum results. Increase minimum dilution rate by 1:50 – 1:100 in hot weather.
- Ideally brix or leaf tests should be conducted on a regular basis to determine plant nutrient levels at each growth stage. It is highly recommended to conduct soil tests at least once a year.
- Apply using a minimum of at least the labelled dilution rate to avoid potential leaf burn. Avoid application under extreme weather conditions; temperature over 28C, high humidity, frost or rain apply at a minimum of 1 : 100 dilution.
- It is advisable when applying for the first time or in conjunction with other products, to spray an initial small test area for observation before general application.
- For best results apply with Nitrogen.

COMPATIBILITY:

EZYFLOW NANO MANGANESE is compatible with a wide range of agricultural products. If unsure of tank mixes always conduct a jar test and test spray a small area of the target crop. For the latest results of compatibility tests please contact your retailer.