

Manganese EDTA

Contains EDTA chelated Manganese in solution equivalent to 6.4% w/v Manganese.

**FOR USE ON A WIDE RANGE OF AGRICULTURAL AND
HORTICULTURAL CROPS.**

RISK AND SAFETY INFORMATION

Wash hands before meals and after work.

Store in original container, tightly closed, in a safe place.

Store away from children, pets, livestock and foodstuffs, including animal feeds.

Empty container completely and dispose of safely.

Do not contaminate ponds, waterways, or ditches with chemical or used container.

To avoid risks to man and the environment, comply with the instructions for use.

Safety data sheet available for professional user on request.

READ CAREFULLY THE DIRECTIONS FOR USE PROVIDED WITH THIS CONTAINER.

PROTECT FROM FROST

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BARCLAY MANGANESE EDTA

Directions for Use and Timing.

Manganese deficiency tends to occur under the following circumstances:

1. High pH > 6.5.
2. Climatic conditions, cold and wet, dry and warm.
3. Waterlogged soils
4. Fluffy seed beds.
5. High organic soils > 10% OM.

Barclay Manganese EDTA should ideally be applied by following a planned programme of treatment. Soil and tissue analysis will be a very useful yardstick by which to plan the application, combined with the previous cropping history in the field.

Winter cereals

For crops grown on susceptible sites an Autumn treatment with Barclay Manganese EDTA is critical.

Apply:

- | | |
|----------|---|
| 1.5 l/ha | At early tillering (Zadoks 23) followed in the spring with: |
| 1.5 l/ha | At up to first node detectable (Zadoks 30-31) and a final spray of: |
| 1.5 l/ha | At flag leaf (Zadoks 37). |

Spring cereals

Apply:

- | | |
|----------|--|
| 1.5 l/ha | At 3-5 leaf stage followed by: |
| 1.5 l/ha | At second node to flag leaf visible (Zadoks 32-37) |

Oilseed rape

Apply:

- | | |
|----------|------------------------------|
| 1.5 l/ha | Autumn/Winter followed by: |
| 1.5 l/ha | Early Spring up to flowering |

Sugar beet

Apply:

- | | |
|----------|--------------------------------------|
| 1.5 l/ha | When first true leaves emerge, plus: |
| 1.5 l/ha | When the crop has 4-6 leaves. |

In areas of severe Manganese deficiency a further treatment of 1.5 l/ha should be applied when the tops meet in the rows.

Peas

Marsh spot in peas is quite a common occurrence and to prevent this Barclay Manganese EDTA should be applied along the following guidelines.

- | | |
|----------|---|
| 2 l/ha | When the crop is 15-17 cm (3"-6") tall. |
| 1.5 l/ha | At early flowering |
| 1.5 l/ha | 10-14 days later. |

Potatoes

Apply Barclay Manganese EDTA at:

- | | |
|----------|---|
| 3 l/ha | With the first blight spray, followed by: |
| 1.5 l/ha | 10-14 days later. |

Vegetable crops

Apply 1.5 l/ha during periods of rapid growth. A further treatment should be applied 10-14 days later at 1.5 l/ha .

Fruit crops

Apply 1.5 l/ha at the start of Spring growth once there is sufficient leaf area to absorb the spray. Repeat application at 10-14 days intervals.

Grassland

Apply 3 l/ha before the commencement of Spring growth.

Another application of 3 l/ha should be made after cutting.

Ensure that no livestock are allowed into the treated pasture for two weeks.

Spraying details

Water Volumes

Barclay Manganese EDTA should be applied in the following water volumes to give good leaf cover and so ensure reliable results:

- | | |
|--------------|-----------------|
| Arable crops | - 200 l/ha |
| Fruit crops | - 500-1000 l/ha |

Spray quality

Apply Barclay Manganese EDTA as a medium quality spray (see BCPC Nozzle Selection Handbook). Satisfactory results are achieved when Barclay Manganese EDTA is applied on Sugar Beet in 80 l/ha of water as a fine quality spray.

Crop stress

If the crop to be sprayed is under severe stress due to factors such as drought, chemical damage or high temperature, Manganese should always be applied first on its own. Follow on products can usually be applied 5-7 days later.

Compatibility

Barclay Manganese is based on EDTA and as a result is compatible with a very wide range of herbicides, fungicides and growth regulators. The complete compatibility guide is available from Barclay or your local distributor. Before using any mixtures, or sequences read the recommendations and precautions shown on all the partner labels.

Timing

Barclay Manganese EDTA should ideally be applied in the early morning or late evening. It should never be applied when the temperature exceeds 25°C.

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