

## Manganese N Aloy<sup>®</sup>

<b>Brand Name</b>	Manganese N Aloy <sup>®</sup>
<b>Product Code</b>	C011
<b>Purpose</b>	A fluid foliar fertiliser that provides short and long term supply of Manganese. Manufactured with proprietary surfactant blends that give improved “rain-fastness” and superior tank mix compatibility.
<b>Description</b>	A Manganese nutrient fertiliser containing: Manganese (Short and long term release).
<b>Standard Pack Sizes</b>	1lt, 5lt, 700lt IBC.

### Chemical Composition

<b>Formulation (g/l)</b>	Mn 400. Manganese Nitrate 50, Manganese Carbonate 350.
--------------------------	---

### Physical Properties

<b>Physical State</b>	Viscous Liquid
<b>Colour</b>	Brown
<b>pH</b>	4.0 – 7.0
<b>Density</b>	1.67 - 1.70

### Instructions for Use

<b>Foliar Applications</b>	<p>Typically 1lt/ha in 200 litre water. For crop specific detail please see reverse side. Shake bottle well before use.</p> <p>Half fill the tank with water and switch on agitation. Always make sure the additions are fully mixed until dissolved or dispersed before adding the next product.</p> <ul style="list-style-type: none"> <li>• Add water conditioners, if needed. Add granules powders and mix well. Pre disperse if possible (WP, DG).</li> <li>• Add Manganese N Aloy<sup>®</sup> and other flowables (SC, SE).</li> <li>• Add Emulsion Concentrates and crop oils (EC).</li> <li>• Add water soluble: liquids and solids. (SL, SP).</li> <li>• Add wetters, if needed and top up with water.</li> </ul> <p>Provided these guidelines are followed almost all tank mixes are physically compatible, with continuous agitation. If agitation fails, for any reason, then it is essential to clean out the tank immediately.</p>
----------------------------	--

Foliar Fix Manganese N Aloy<sup>®</sup> is tank mixable with most spray applied chemicals. Read all labels carefully and adhere to the instructions for use and advice regarding whether or not the products should be co-applied.

If mixing products in the spray tank, add product first.

Many variables outside the control of Safagrow can influence the performance of co-applied products and therefore co-application is entirely at the risk of the end user.

### Storage

Protect from frost. Store between 5°C and 35°C. Do not store in direct sunlight. Keep away from food, drink and animal feed. Keep out of reach of children.



## Application Recommendations

Crop	Rate	Timings
Apples/ Pears	1 L/Ha	Prior to flowering (in case of severe deficiency) otherwise at petal fall. Repeat 10-14 days later if required. Water rate 500 to 1000 L/Ha.
Carrots, Linseed	1 L/Ha	When crop is 15cm tall. In case of need, repeat at 10-14 day intervals. Water rate 200 L/Ha.
Cereals	1 L/Ha	From 2 leaves to second node detectable (Zadok's GS 12 to 32) Where required repeat at 7-14 day interval. May also be applied at 0.25 L/Ha from the third node detectable to the end of booting (Zadok's GS 33 to 49) Water rate 200 L/Ha.
Cherries/Plums	1.1 L/Ha	At Fruit set. If required a second application may be made 10-14 days later. Water rate 500 to 1000 L/Ha.
Conifers	1 L/Ha	To new season leaf growth and again in early Autumn. Water rate 500 to 1000 L/Ha.
Grapes	1 L/Ha	When flower buds are visible, flower buds separated and fruit set. Water rate 500 to 1000 L/Ha.
Grass / Turf	1 L/Ha	When growth begins in the spring. In case of need it can be repeated at 10-14 day intervals. Water rate 200 L/Ha.
Grass / Grazing	1 L/Ha	10-14 days before animals are allowed onto the field. Water rate 200 L/Ha.
Leeks , Onions, Lettuce (Field grown)	1 L/Ha	Two weeks after transplanting. Repeat as required at 10-14 day intervals. Water rate 200l/Ha (leeks & onions) or 500 L/Ha lettuce. NB Final applications on lettuce must be 1 month before harvest.
Oilseed Rape	1 L/Ha	At stem extension. In case of moderate deficiency 1L/Ha should be applied at 4-6 leaves and stem extension. When deficiency is severe apply an additional application 10-14 days after stem extension onset. Do not apply during flowering. Water rate 200 L/Ha.
Peas, Beans	1 L/Ha	At 4-6 leaves 'Marsh Spot' application is 1 L/Ha at the beginning and the end of flowering. Water rate 50 to 200 L/Ha.
Potatoes	1 L/Ha	One week after 100% emergence. Repeat if necessary at intervals of 10 – 14 days. Water rate 200 L/Ha.
Raspberries/Blackcurrants	1 L/Ha	At start of flowering. Water rate 200 to 500 L/Ha.
Strawberries (Field grown)	1 L/Ha	At green bud. Water rate 200 to 500 L/Ha.
Sugar beet, Broccoli, Cabbage, Calabrese, Cauliflower, Fodder Beet, Kale, Maize, Turnips, Swedes	1 L/Ha	From 4-6 leaves. Repeat where necessary at 10-14 day intervals. Water rate 200 L/Ha.
Protected crops in polytunnels	0.05 litres per 100 litres water	Water rate 1000 L/Ha maximum. Refer to equivalent field grown recommendations above for timing. NB do not exceed a rate of 5ml per 10 litres of water applied over 100 m <sup>2</sup> .

