Auxinone for Turf Establishment & Maintenance

Auxinone when used in conjunction with a good nutrition program is ideal for use in all turf establishment situations for enhancing root development, particularly where turf has been planted from scarification material.

As a maintenance bio-stimulant product, **Auxinone** has a great fit, as it is very tank mix flexible and can be included with most Agchem or fertiliser product. The key when using the product is to continue to apply applications on a monthly basis. Due to **Auxinone** being very economical to use, the cost of applying it regularly is not out of the question. It will cost less than $25 per bowling green, $7.50 per average sized golf green or $150 / ha for sportsfields.

Auxinone is also a very useful tool in assisting regeneration of roots following impact from nematodes, root borne disease activity or wear that has impacted upon its health. **Auxinone** is also a useful option in shaded turf situations, such as sporting stadiums, where it proves useful in reducing the negative growth effects that occur when plants are exposed to low light intensities.

To ensure the best results when using **Auxinone**, apply the product evenly via boomspray or fishmouth nozzle application. Ideally, the application should be in a higher volume with the target being the crown of the plant. Irrigation following application is recommended, but not critical. To ensure best results avoid mowing for 24 hours after application.

Auxinone for Plant Propagation

Auxins are commonly used in a number of different techniques involving plant propagation from cuttings, grafting, micropropagation, and tissue culture. **Auxinone** can be used in the propagation of plants via cuttings of softwood and semi hardwood plants.

Simply remove the bottom one third to one half of the leaves from the cutting. Make a clean diagonal cut across the base of the cutting, just below the leaf node. Dip the lower 1.5cms into the **Auxinone** solution (10mL in 10L of water). Then place the cutting into potting media. The auxins are taken into the plant and rapidly promote root initiation.

Other Key Products within the Barmac Turf & Ornamental Range

DSMA CLEAR	BIF FOOT	PICK UP
DSMA CLEAR is a grass herbicide registered for the control of Summergrass and Paspalum in a variety of warm and cool season turf species. **DSMA CLEAR** is a clear aqueous solution, which means no mixing, no blocked nozzles no missed strips in the spray pattern and no risk of powder inhalation which means greater operator safety.	**BIG FOOT** is a highly concentrated blue spray pattern indicator dye ideal for effective marking of spray solutions in boom spray situations.	**PICK UP** is a liquid activated carbon product ideal for use in de-activating pesticide spills in turf and ornamental situations. Being a liquid formulation, it is easy to store, handle and measure compared to other powder formulations.

Barmac
17 Machinery Street,
Darra, QLD, 4076.

For more information, contact your local Turf & Landscape distributor or call **(07) 3727 3000** or visit **www.barmac.com.au**

AUXINONE

A blend of root hormone stimulants for use in turf & plant propagation.



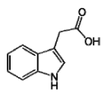
What is Auxinone?

Auxinone is a biostimulant containing a blend of Auxins that promote growth in plants. **Auxinone** incorporates 2 of the most common Auxins found in plants - Indole Acetic Acid (IAA) to encourage cell development and Naphthalene Acetic Acid (NAA) for improved root growth. **Auxinone** also incorporates Thiamine (commonly known as Vitamin B1) to further enhance root development.

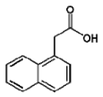
When used in conjunction with a useful fertiliser program, **Auxinone** will;

- Stimulate root development, particularly when establishing new turf areas
- Encourage new growth in turf following winter dormancy
- Improve turf development in weaker areas
- Enhance root development initiation in plant propagation situations.

The Role of Auxins



IAA Molecule

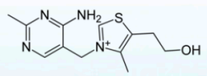


NAA Molecule

Auxins are plant growth substances which are derived from a number of plant seeds.
IAA – Indole acetic Acid and NAA - Napthalene acetic acid are predominantly produced in cells of the apex (bud) and very young leaves of a plant. The following are some of the benefits that auxins have been proven to cause in plant development (Davies, 1995; Mauseth, 1991; Raven, 1992; Salisbury and Ross, 1992).

- Stimulates cell elongation, enhancing plant growth
- Stimulates differentiation of phloem and xylem
- Stimulates root initiation on stems, cuttings and assist in lateral root development
- Reduces negative growth effects when plants are exposed to low light intensities
- Delays leaf senescence (ageing)
- Promotes flowering in ornamentals plants, particularly bromeliads
- Stimulates growth of flower parts in ornamental plants.

The Role of Thiamine - Vitamin B1



Thiamine Molecule

Thiamine – Vitamin B1 is produced in the foliage of plants and transported down to the root system where it has an effect on root growth and development. In plant propagation, B1 helps to stimulate the growth of roots on new plants. B1 can assist at any time in a plant's life with root regeneration where the root system has been damaged or stressed through high salinity, pathogen activity or nutrient deficiencies and toxicities.

Use of B1 is seen as a 'back up' or 'insurance policy' as it is difficult to determine if a plant which has come under stress is capable of producing sufficient B1 to send down to the root system to assist in cell development. Use of Vitamin B1 in plants is the same as in humans - it is most useful where a deficiency exists for some reason.

Using Auxinone

Auxinone is registered for use in the following turf and ornamental situations;

	Situation	Rate	Critical Comments
Turf	Golf Greens	100mL in 100 Litres of water/100m2 (10L/ha).	Apply at 3-4 weekly intervals during the growing season.
	Bowling Greens	1600mL in 1600L of water.	Apply to a standard bowling green.
	Playing Fields & Ovals	10L in 1000L of water per hectare.	Apply at 3-4 weekly intervals during the growing season.
Landscape / Ornamentals	Plant Propagation Cutting and Pipings	10mL in 10L of water.	Dip cuttings and pipings in solution before planting.

Key Reasons why Auxinone will work for you:

- Economical for use both as a regular monthly maintenance bio-stimulant option or for broadacre turf establishment

- Strengthens your fertility program, maximises root development and uptake of applied nutrients

- Excellent tank mix flexibility. Can be used in conjunction with a wide variety of plant nutrition, wetting agent and plant protection products

- Excellent liquid option as a rooting compound for cuttings in plant propagation. Proven to significantly enhance root initiation and plant establishment

- Unlike many other Biostimulants, Auxinone is registered with the APVMA, ensuring consistency in manufactured product and peace of mind that the product will do the job it is claimed to do

- Developed and manufactured in Australia.

Pack Size: 10L

