

ACTIFF®

- Increased root mass
- Improved plant health
- Increased plant vigour
- Increase stress resistance
- Improved nutrient uptake
- Increased yield potential

ACTIFF® is a unique biostimulant for use in all broadacre, vegetable and root crops to maximise plant growth and enhance uptake of water, fertiliser and micro nutrients from the soil.

ACTIFF® contains a comprehensive range of micronutrients, amino acids, humic and fulvic acids.

By encouraging stronger root systems and more effective symbiotic relationships with soil biology, the plant's nutrient gathering abilities are enhanced. Root growth is encouraged, and soil flora and fauna are stimulated.

As a result plants make more effective and economic use of all available and locked up resources reducing dependence on applied fertilisers.

In addition, **ACTIFF®** will enhance the plant's own defence mechanisms by enabling the plant to produce phytoalexins complementing effective control programmes.

Incorporating **ACTIFF®** in the crop management plan will:

- Aid the rapid establishment of all crops
- Maximise root development, enhancing nutrient uptake and utilisation
- Encourage the development of strong plant structures
- Reduce crop stress
- Enhance plant health, complementing disease control programmes
- Maintain green leaf retention to maximise crop potential

Application: Compatible in tank mix with a wide range of protection products. Do not mix where instructions for partner product(s) advise against use with stickers, wetters or other adjuvants. Always read the label of partner product(s) and if in doubt, consult your technical advisor.

Rate: 0.4 – 6.0L/ha in 200L/ha water. Refer to separate sheets for crop specific recommendations.

Packaging: 10L polycans & 1000L IBC's.



For further information, please contact your local Agrii™ representative or office or for technical advice and enquiries call:

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ACTIFF®



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A concentrated biostimulant rich in minerals, trace elements, and active carbohydrates

- Promotes better root growth, cell division, fruit set and uniform development
- Enhances nutrition uptake and utilization
- Activates the plant's natural defence mechanism to alleviate and reduce stress



TIMING

Application timing of **ACTIFF®** usually relates to important stages in the plant's development. Correct timing, particularly at the early stages, maximizes the benefits of **ACTIFF®**.

CROP ESTABLISHMENT

ACTIFF® applied early in a crop's life will encourage root development, improved nutrient uptake, increased nitrogen efficiency and better establishment.

STRESS

Stressed and backward crops can benefit from an application of **ACTIFF®** at any time during the growing season. By stimulating the development of plants' root system, **ACTIFF®** encourages plants to overcome stress by improving access to nutrients and moisture in the soil.

FILTRATION Filters must be no finer than 100 mesh throughout.

COMPATIBILITY

ACTIFF® is compatible with most spray products and for convenience they are often applied together.

DO NOT mix **ACTIFF®** and other products where instructions advise that the other applied products may not be used with stickers, wetters or any other adjuvants. Adhere to recommended spray intervals when spraying in sequence.

DILUTION INSTRUCTIONS

In general use more water rather than less; however, **ACTIFF®** is quite suited to low volume sprayers. When mixing, half fill the recipient with water, commence agitation and add **ACTIFF®**. Continue to agitate whilst adding remainder of water and other products.

NON-HAZARDOUS

ACTIFF® is derived from natural *Ascophyllum nodosum* marine plants.

The product supplied in this sealed container, when used as instructed, is bio-degradable, non-toxic, non-polluting and non-hazardous to humans, animals, birds or plants.

ORGANIC STANDARDS

ACTIFF® complies with Approved Organic Standards and should be used in accordance with the requirements of the certifying body.

STORAGE Must be stored in a dry, frost free store.

DISPOSAL OF CONTAINERS

Plastic cans/drums can simply be hosed out with clean water and re-used for any practical application.

WINTER CEREALS (Milling Wheat)	ZGS 14-21 ZGS 31-32 ZGS 51-59	Autumn - For root development and plant establishment Early spring at re-commencement of growth Ear emerged	1.5L/ha 1.5L/ha 1.5L/ha
OILSEED RAPE	GS 2.2-2.3 GS 3.0	2-3 leaf stage Prior to stem extension	1.5L/ha 1.5L/ha
SPRING CEREALS & MALTING BARLEY	ZGS 14/21 ZGS 30/31	For root development and plant establishment Leaf sheath erect/first node For single application only apply at GS 14/21	1.5L/ha 1.5L/ha 3.0L/ha
PEAS AND BEANS	GS 5 15-30 cm	3 pairs fully extended leaves Prior to onset of mid season check - usually first week of June	
POTATOES - EARLIES & BAKERS SEED AND WARE <i>Potato notes</i>		4 days after 80% emergence (100%) 10 days after tuber initiation ¹ And every 10 days or with each blight spray ² 4 days after 80% emergence (100%) And every 10 days or with blight spray ² ¹ Consult your advisor for exact timings as varieties may vary ² If blight spraying at 7 day intervals, rate can be reduced to 0.75L/ha	1.5L/ha 1.5L/ha 0.75L/ha 1.5L/ha 0.75L/ha
GRASS		Early spring At re-commencement of growth before grass reaches 25/30mm height After cutting hay/silage. As soon as field is cleared Late summer July/October late grazing and over wintering	3.0L/ha 3.0L/ha 3.0L/ha
NEW LEYS/RESEEDS		Split application recommended First application to seed bed immediately after sowing Second application after germination at 25/50mm (1-2") Note: If only one application possible use double the rate	2.5L/ha 2.5L/ha 5.0L/ha
MAIZE	4-6 leaf Prior to the onset of mid-season check OR at plastic removal	For root development and good establishment Usually first half June crop at 150/300mm (6-12") *6 litres if first spray not applied Apply immediately after removing plastic	3.0L/ha *3.0L/ha 6.0L/ha
ROOT CROPS	Sugar beet, turnips and swedes Carrots Either Or	2-4 pairs of leaves and at root swelling 10-15cm of top growth follow every two weeks 10-15cm of top growth and If only applying twice, at root swelling	3.9L/ha 3.9L/ha 2.5L/ha 1.25L/ha 5.0L/ha 5.0L/ha
BRASSICAS	Transplants	Prior to planting out 4-5 leaf Early development of button heads	1.2L/ha 4.5L/ha 4.5L/ha
SOFT FRUIT	Strawberries Raspberries, etc. Last application	Early blossom Fruit set Immediately after harvest	3.9L/ha 3.9L/ha 3.9L/ha
TOP FRUIT	From bud burst to fruiting Last application	Apply on a regular basis every 10-14 days Immediately after harvest	0.75L/ha 0.75L/ha
ROOT DIP	Transplants	Prior to planting out	1:20
PROTECTED CROPPING	Glasshouse/Tunnel	Overhead sprinkler/drip irrigation	1:16

Application Rate: 0.4 - 6.0L/ha in 200L/ha water. For comparison purposes an application rate of 0.42L/ha of **ACTIFF®** would equate to an application of 1L/ha of a typical 16% concentration product. For best results we recommend following the advised rates for this product depending on the crop being grown.