

MARRIPHITE™

MARRIPHITE™ combines nutritional components and plant biostimulants to give plants the added benefit of an extra energy boost during critical growth periods. The plant biostimulants increase the productivity of soils and plants by improving the overall activity of the root zone ecosystem.

MARRIPHITE™ is a natural biostimulant for use in all combinable, vegetable and root crops to maximise plant growth and enhance uptake of water, fertiliser and micronutrients from the soil.

MARRIPHITE™ contains a comprehensive range of organic plant extracts, oligosaccharides and nutrients. **MARRIPHITE™** helps with root growth by encouraging stronger root systems and more effective symbiotic relationships with soil biology. The plant's nutrient gathering abilities are enhanced. Plants make more effective and economic use of all available and locked up resources reducing dependence on applied fertilisers. In addition **MARRIPHITE™** will enhance the plant's own defence mechanisms by improving cell membrane structures and by enabling the plant to produce phytoalexins more effectively, both of which complement disease control programmes.

A program of **MARRIPHITE™** will:

- Aid the rapid establishment of vigorous crops
- Maximize root development, enhancing nutrient uptake
- 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

Spring **MARRIPHITE™** key opportunities:

- Stem extension in Oil Seed Rape
- Early tillering in Spring Cereals
- Early flowering of Pulses
- 100% emergence of Potatoes
- V4 in Maize crops
- Spring flush of Grass
- From 3 leaves of Brassica and Swedes

MARRIPHITE™ is a unique formulation of stable fertiliser and plant biostimulant. It is widely recognised that OSR yield depends on the development of a strong deep tap root. Rape is a naturally 'lazy' rooter and a poor nutrient scavenger. Any restriction in root growth during the early growing season will have a direct impact on final seed yield.

Apply 1.5L/ha at 4 leaf stage to encourage rooting and establishment.

Apply 1.5L/ha at early stem extension to maintain healthy plant growth.

Apply 1.5L/ha mid to late flower

Application: Do not mix where instructions for partner product(s) advise against use with stickers, wetter's or other adjuvants. Always read the label instructions and if in doubt consult your technical advisor.

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

**FOR FURTHER INFORMATION,
PLEASE CONTACT YOUR LOCAL SUPPLIER**



MARRIPHITE™

A Natural Biostimulant

Glenside

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A concentrated plant extract combined with fertiliser and rich in minerals and trace elements.

- Promotes healthy plants with stronger root systems
- Naturally increases resistance to stress

Glenside

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TIMING

The timing of **MARRIPHITE™** usually relates to important stages in the plant's development. Correct timing, particularly at the early stages, maximizes the benefits of **MARRIPHITE™**.

CROP ESTABLISHMENT

MARRIPHITE™ 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 **MARRIPHITE™** at any time during the growing season. By stimulating the development of the plants root system **MARRIPHITE™** encourages plants overcome check by improving access to nutrients and moisture in the soil.

FILTRATION Filters must be no finer than 100 mesh throughout.

COMPATIBILITY

MARRIPHITE™ is compatible with most spray products and for convenience they are often applied together.

DO NOT mix **MARRIPHITE™** 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, **MARRIPHITE™** is quite suited to low volume sprayers. When mixing, half fill the tank with water, commence agitation and add **MARRIPHITE™**. Continue to agitate whilst adding remainder of water and other products.

NON-HAZARDOUS

MARRIPHITE™ is a special blend of natural Asco marine plant extract and fertiliser that is made in a special low temperature process and helps support plant health and growth.

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

MARRIPHITE™ 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	GS 14-21 GS 31-32 GS 37-39 GS 51-59	Autumn – For root and plant establishment Stem extension – To stimulate plant growth Flag leaf Ear emerged – For Quality Wheat	1.5 L/Ha 1.5 L/Ha 1.5 L/Ha 1.5 L/Ha
SPRING CEREALS	GS 14-21 GS 30-31	For root development and plant establishment Leaf sheath erect – 1st node For single application only at GS 14-21	1.5 L/Ha 1.5 L/Ha 3.0 L/Ha
OILSEED RAPE	GS 2.2-2.3 GS 3.0 GS 65-67	2-3 leaf stage At early stem extension Mid-late flowering – with Sclerotinia Fungicide	1.5 L/Ha 1.5 L/Ha 1.5 L/Ha
PEAS AND BEANS	GS 5	3 pairs fully expanded leaves Early flowering	3.0 L/Ha 3.0 L/Ha
MAIZE	4-6 leaves 15-30 cm	For root development and good establishment Prior to onset of mid season check – usually first week of June Apply immediately after crop breaks through plastic	3.0 L/Ha 3.0 L/Ha 6.0 L/Ha
MAIZE UNDER PLASTIC			
NEW LEYS/ RESEEDS		1st application to seedbed post sowing 2nd application at germination (2-5cm growth) Single application at germination	1.5 L/Ha 1.5 L/Ha 3.0 L/Ha
POTATOES – EARLIES AND BAKERS		100% crop emergence Tuber initiation And every 10 days or with each blight spray** 100% crop emergence And every 10 days or with each blight spray**	1.5 L/Ha 1.5 L/Ha 0.75 L/Ha 1.5 L/Ha 0.75 L/Ha
SEED AND WARE	<i>Potato notes</i>	*Consult your advisor for exact timings and rates as varieties may vary **If blight spraying at 7 day intervals rate can be reduced to 0.5l/ha	
BRASSICAS	Transplants	Drench prior to planting out As plant establishes – 2 weeks after transplant Repeat through growing season as required	1:2 L/Ha 3.0 L/Ha 3.0 L/Ha
ROOT CROPS BEET/TURNIP/SWEDES		2-4 leaves Root swelling	3.0 L/Ha 3.5 L/Ha
CARROTS		10-15cm top growth Follow every 2 weeks	2.5 L/Ha 1.25 L/Ha