



newwave
AGRICULTURE

Application Guide

Turf and lawn

This Application Guide is to help you correctly apply New Wave Agriculture's biological and soil amendments Aminoc and CO2Smash, designed to promote soil rehabilitation and improvement of all grasses in any soil type. Application rates are intended for turf.

If you would like further information on this or other crop types and industry applications please speak to your local NewWave supplier.

Do application rates change depending on soil results?

For soils with; salinity, compaction, or heavy metal issues, doubling the application rate is the most beneficial for fast results.

Without Aminoc what will happen?

After prolonged periods of soils sitting bare, or uses of heavy chemicals, the natural soil mycorrhizae populations are completely wiped out. In the absence of Aminoc, soil stability is reduced, the ability to access and retain water becomes limited, leaching of vital minerals increases and major nutrient deficiencies develop. Thus, a decrease in the ability to deliver a quality turf ensues.

Why do I NEED to use Aminoc for my Turf?

When Aminoc fungi grow onto the tap-roots of turf a mutually beneficial relationship is formed. The turf roots provide Aminoc with a source of Carbon and Aminoc provide the turf roots with water and soil-derived nutrients, namely inaccessible phosphorus and trace elements while interlinking all the plants in a vast network with each plant as a hub improving quality of the turf mat.

The fungal roots – 'hyphae' (pronounced 'high-fee') extend deep into the soil make up the majority of the soils organic matter. The length of these external hyphae can extend many meters in all directions. As such, they significantly increase the absorptive surface area of the root system and enhance the ability of plants, trees, and turf to utilise nutrients and water from the soil solution.

When should I apply the products?

Aminoc

Ideal applications for turf when using Aminoc is during any of the following; seed coat, during planting, after germination, transplant, or maintenance to continue high level inoculation. When applying to pre-established turf any time of year is beneficial, with applications Autumn through Spring being absolutely ideal for fastest establishment. No matter the point of application, a fantastic result will still be achieved. It is not essential to apply before rain, but it is best practice to ensure good soil penetration.

CO2Smash

Germination / Harvest / Transplant

When using CO2Smash on turf applications during germination ensures hardy establishment, use prior to Harvest will minimise shock, and applications just after transplant reduces transplant stress and increases rapid establishment.

Established

Regular applications of CO2Smash can be applied to established turf, each time turf is mowed an application of CO2Smash will maximise growth, applied via; foliar application, soil drench, or fertigation. Ideal application at start of summer to improve drought tolerance, but applications are extremely beneficial all year round.

How often do the products need to be applied and when is the next application needed?

Aminoc populations will continue to flourish in the presence of host plants, only requiring re-application with heavy chemical use, soil tillage, or long fallow periods.

Aminoc roots are a better source of inoculum than the dormant Aminoc spores, an easy way to encourage mycorrhizae continued growth is to continuously crop.

CO2Smash should be applied only as recommended with the following exception; an application prior to an extreme heat event, where wilting is likely to occur, can be highly beneficial in minimising any damage inflicted from the prolonged exposure or directly after a frost event once thawing has occurring to minimise damage.

Are the products compatible with my other application chemicals and equipment?

Our products are universal and hardy in terms of application and mixing but all products should be jar tested first to ensure compatibility and if an unfavourable interaction occurs, re-applying the products quickly can help minimise any damage. If unsure, we recommended a test area is established as both products can enhance the uptake of the chemicals, reducing the needed rate for an effective dosage.

No changes to equipment are required and neither products will block filters.

	Seeding Application	Spray Application
Improved Phosphorus, T.E. & Mineral Access	1Kg; 500g Aminoc per hectare at seeding. Second application of 250g 2 weeks after germination and third application of 250g at 4 weeks.	1L CO2Smash per hectare per month, and again prior to harvest and again after transplant.
Soil Quality and Yield Improvement	2Kg; 1g Aminoc per hectare at seeding. Second application of 500g 2 weeks after germination and third application of 500g at 4 weeks.	2L CO2Smash per hectare per month, and again prior to harvest and again after transplant.
Salinity / Compaction / Heavy Metals	5~20Kg; 2.5~10Kg Aminoc per hectare at seeding. Second application of 1.25~5Kg 2 weeks after germination and third application of 1.25~5Kg at 4 weeks.	3~5L CO2Smash per hectare per month, and again prior to harvest and again after transplant.

Ideally reapplied before extreme heat or post thawing of frost event.

For more information visit

www.nwaa.com.au

