



Bio-Chel[®] Carbo+

A super concentrated plant carbon designed to provide and catalyse carbon sequestering and support optimal soil bioactivity.

Bio-Chel Carbo+ is a blend of modified organic acids derived from living lignin, a nature-based and renewable raw material that is rich in carbon and sugars. Carbo+ acidifies irrigation water, improves water penetration, helps free up bound nutrients in all soils and supports the growth and activity to soil microorganisms.

Analysis of Carbo+

| | | | | | |
|---------|-------|--------------|------|---------------|-------|
| Carbon | 28.0% | Sulphur | 1.0% | Organic acids | 15.0% |
| Calcium | 0.5% | Plant Sugars | 5.0% | | |

Benefits

- 】 Naturally acidifies irrigated or sprayed water to help maintain soil pH, reduce soil alkalinity and improve water penetration into the soil.
- 】 Slowly dissolves bicarbonates normally present in the soil and irrigation water, freeing calcium to build a healthy soil structure and prevent soil capping.
- 】 High in carbon (50%+) so will support soil carbon levels and act as a catalyst to increased carbon sequestering.
- 】 Reduces the incidence of localised dry spots and improves water percolation and distribution to maintain uniform soil moisture, especially under irrigation and will reduce irrigation requirement with regular use.
- 】 Improves the efficiency of applied fertilisers by solubilising nutrients such as phosphorus, calcium and sodium tied up in in soils, reducing build-up of minerals in the soil leading to increased growth parameters.

Crops

Cereals, vegetables, salad crops, fruit, ornamentals and hardy nursery stock, sports and amenity turf.

Application Rates and Timings

| Application | Rate | Timing |
|---|------------------------------|---|
| Pre-season Carbon Boost | 30L/ha | Anytime up to 1 week before planting to lift carbon by 0.015%/m ³ of soil. For deficient soils multiple applications over time is advised based on annual analysis. Apply in a 400-800L /ha for optimal efficacy. |
| Field crops | 4-8L/ha | 2 applications. Apply pre-drilling or as a dressing at sowing. Apply second application after 4-6 weeks along with liquid fertiliser or herbicide applications. Apply in a 400-800L /ha for optimal efficacy. |
| Leaf Salads | 4-8L/ha | Apply pre-planting in 500-1000 litres of spray or via overhead irrigation. |
| Tree Fruit | 8-12L/ha | Apply 12L at the beginning of the season with sterile strip sprays or via irrigation to energise the rootzone and at 6 week intervals with other soil spray application to optimise soil pH and provide optimal benefit. |
| Berry Fruit | 4-8L/ha | Apply to soil crop pre-planting. For Substrate grown crops apply 4 litres monthly to optimise rootzone EC and to optimise root nutrient uptake. |
| Turf | 60-120mls /100m ² | Apply 2-3 times throughout the season in 100-150L of water to energise the rootzone. Ideally apply before rain or irrigation for optimal penetration. |
| Fine Sportsturf, Greens and Tees | 30-120mls /100m ² | Apply 120mls for the initial application and then monthly at 30-90mls per 100m ² to provide optimal benefit. Allow to penetrate into the rootzone and irrigate after each application. |

Compatibility

Carbo+ is compatible to tank with all fertilisers and a wide range of agricultural products however, it is advisable to conduct a jar test within multiple product mixes and for new products.

For more detailed applications and timings please contact your local Engage Advisor or visit engagecropsolutions.com.

Precautions



Warning

- ▶ H319 Causes serious eye irritation.
- ▶ P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- ▶ P337+313 If eye irritation persists: Get medical advice/attention.
- ▶ P264 Wash hands thoroughly after handling.
- ▶ P280 Wear protective gloves/eye protection.

ENGAGE
The Power of Nutrition

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