

What is Optimum ABRA

Optimum ABRA is a 100% organic and Microplastic free Azospirillum Brasilense product.

Azospirillum B play important roles in the Rhizosphere and soil biology. We selected strains for soil conditioning and for plant enhancement in which the performance the symbiosis enhances plant facilitation, particularly increasing the N (nitrogen) content of the plants.

The term Azospirillum refers to the role of the bacteria in the plant's rhizosphere, its root system. Azospirillum plays an important role in plant nutrition, soil biology, and soil chemistry. The bacteria colonizes the host plant's root tissues.

Characteristics of Optimum ABRA

- Improves uptake of plant nutrition
- Enhancement of drought tolerance
- Reduce salinity stress
- Improvement of biomass
- Increases Nitrogen uptake
- Increases plant growth
- Potential to reduce the use of synthetic mineral fertilizers
- Increases Tolerance to abiotic stresses (induce systemic tolerance)
- Capacity to synthesize phytohormone (indole-3-acetic acid)

Restrictions of use

- Do not use Optimum ABRA in combination with any bactericide.
- Do not apply Optimum ABRA in direct sunlight (UV light)

Storability

- Keep away from direct sunlight (UV light)
- Keep dry and frost free (between 4 - 15 °C)
- Shelf life 24 months

Instruction for Use

Treatment	Crop	App. rate	App. method	App. number
Seed treatment	Crop independent	Volume depending on crop	Filmcoating	1
Seed treatment (granulate)	Crop independent	1 bag (10kg) per Ha	In furrow or pre-mixed with the seeds	1
Foliar Treatment (powder form)	Crop independent	1 sachet per 2 Ha mixed in water or other solution ¹	For foliar spraying or during soil preparation	1
Foliar Treatment (liquid form)	Crop independent	1 sachet per 2 Ha mixed in water or other solution ¹	For foliar spraying or during soil preparation	

¹Other solutions: EXCEPT solutions containing fungicides. Immediate application required.

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