Biofertilizers for Heavy Metal Phytoremediation by NTHRYS

Various Crops that can Utilize Biofertilizers for Heavy Metal Phytoremediation

1. Sunflower
2. Indian mustard
3. Poplar trees
4. Willow trees
5. Maize (Corn)
6. Sorghum
7. Barley
8. Oats
9. Rice
10. Tomatoes
11. Spinach
12. Carrots
13. Potatoes
14. Peas
15. Cabbage
16. Cauliflower
17. Lettuce
18. Alfalfa
19. Mulberry
20. Jatropha
21. Vetiver grass
22. Brassica juncea
23. Ryegrass
24. Chicory
25. Mustard greens
26. Sesbania
27. Castor bean
28. Artichoke
29. Pigeon pea
30. Rapeseed

Various Stages of Crop for Application

Biofertilizers for Heavy Metal Phytoremediation are most effective when applied during soil preparation, at planting, or during the early growth stages to assist in the uptake and detoxification of heavy metals from the soil.

Advantages

These biofertilizers enhance the phytoremediation process by promoting the growth of plants that can absorb, accumulate, and detoxify heavy metals in contaminated soils, leading to safer crop production and improved soil health.

Storage / Shelf Lifing

NTHRYS Biofertilizers for Heavy Metal Phytoremediation should be stored in a cool, dry place away from direct sunlight. They have a shelf life of 12 to 18 months when stored under proper conditions.

Application Process

For soil application, use 5-10 kg per hectare during soil preparation. For seed treatment, apply 1-2 kg per 100 kg of seeds. For foliar application, dissolve 2-5 kg in water and apply during key growth stages. Ensure even distribution for optimal results.

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