

Repair and Promote Revegetation of Contaminated Soils

What is CanGrow ReCover™ Soil Rejuvenation?

Powered by ENVIRONOC® and in use since 1989, CanGrow ReCover™ Soil Rejuvenation has been used in hundreds of land remediations and site reclamation projects in the United States and around the world. CanGrow ReCover™ Soil Rejuvenation is a combination of naturally occurring beneficial microorganisms, specifically selected and designed for flexible applications where it is not physically or economically feasible to excavate the soil and transport it to off-site remediation.

CanGrow ReCover™ Soil Rejuvenation works to integrate our highly specific microbial team of live organisms to breakdown chemical and hydrocarbon contamination.



Using Biology to Rejuvenate Contaminated Soil

Modes of Action

Degrades Aliphatic Hydrocarbons:

Reduces hexenes and large paraffin hydrocarbons in smaller molecules, including water and carbon dioxide.

Degrades Volatile Aromatic Hydrocarbons:

Ability to breakdown BTEX (Benzene, Toluene, Ethylbenzene, and Xylene) and MTBE (Methyl tert-butyl ether) compounds present in many fuels.

Degradation of PAH's (Polycyclic Aromatic Hydrocarbons): Degradation via Ring hydroxylation, Ring cleavage, with further breakdown as the opened rings are converted into simpler compounds.

Degradation of Chlorinated Hydrocarbons, Pesticides, Herbicides, Phenol and Terpene Related Compounds

#BetterBiology

 **CANGROW**
Science. Solutions. Success.

www.cangrow.com | 519-847-5748

Repair and Promote Revegetation of Contaminated Soils

CanGrow ReCover™ Soil Rejuvenation

For over 30 years, CanGrow ReCover™ Soil Rejuvenation has been a proven remediation tool used on the most highly contaminated sites caused from oil spills, leaking fuel storage sites, pipeline ruptures to lower-level contamination sites caused by chemical spills, crop protection chemistry and general soil degradation.

By deploying CanGrow ReCover™ Soil Rejuvenation, you can unleash the power of naturally occurring beneficial microorganisms and reclaim the health and potential of the soil.

Composition

Liquid microbial inoculum composed of a consortium of naturally occurring beneficial microorganisms specifically selected for their naturally inherent degradation capabilities.

Application Rate

For general remediation and maintenance, use 1 L/acre
For industrial contamination, consult with a supplier for specific use cases.

Factors to Consider

The estimated timeline to full remediation depends on multiple factors:

1. Type, level, and depth of contamination
2. Decontamination level to be achieved
3. Type of soil
4. Techniques available to apply
5. Water table and direction of ground water
6. Temperature and abiotic factors

Case Study (Ohio)

Multi-generational spray applicator in Southeast Ohio whom for years parked, rinsed and emptied their spray rigs in the same spot. The liquid flow from this process followed the topography into the low lying areas adjacent to the field behind the tanks.

The result was sections of the field, that were planted every season, supported no vegetative life (crop or weeds) for several decades.



After one application of CanGrow ReCover™ Soil Rejuvenation at 1 L/acre, for the first time in decades, the contaminated sections produced harvestable ears of corn.



#BetterBiology

 **CANGROW**
Science. Solutions. Success.

www.cangrow.com | 519-847-5748