

APPLICATION INSTRUCTION

UNIKAL®-r

Biopreparation-destroyer for cesspits, toilets, organic wastes composting

Description: from brown to dark-brown coloured liquid with specific smell.

Composition: complex of high-performance microorganisms and enzymes

Intended use:

- for accelerated utilization of organic wastes (faeces, food and plant wastes) in cesspits, septic tanks, street toilets and drain pipes;
- for accelerated plant wastes composting.

Competitive advantages:

- considerably decreases wastes volume over short time span;
- improves street toilets and cesspits drainage;
- cleans out mineral-organic sludge from drainpipes;
- quickly converts organic wastes into fertilizers enriched by useful microflora and biologically active substances;

Unikal®-r use

1. Outdoor toilet, cesspit treatment

35 ml (1 flask) of biopreparation is mixed in 5-10 l of hot (25-30 °C) non-chlorinated settled water. The wastes contained in the street toilet or cesspit (1.0-2.0 m³) should be uniformly watered with the biopreparation solution. If needed add more hot non-chlorinated water so that the water level over the wastes surface settled at (at least) 2-3 cm.

In 1.0-1.5 months the outdoor toilet or cesspit drainage gets better, the wastes volumes decreases being processed into environmentally safe liquid by the microorganisms and enzymes contained in Unikal®-r.

To prolong cesspit or outdoor toilet useful life, to minimize sewage cesspool tank truck services, eliminate bad smell it is recommended to carry out monthly treatments (if needed) using 0.5 flask of Unikal®-r in a form of solution prepared in line with the afore mentioned recommendations. Be sure to maintain the required water level over the wastes surface!

Unikal®-r effective temperature range: 0 to 40 °C, optimal efficiency at 25-35 °C temperature.

2. Drainpipes and other sanitary-ware treatment

Prior to treatment, drain 20-30 l of water through the gutter then mix 35ml (1 flask) of the preparation in 500 ml of hot settled water and pour out the solution into the sewer.

The mentioned volume of solution will be enough to clean 5m of sewer pipes. If possible, it is recommended to avoid using the sewer system for 6-12 hours. It is advised to avoid washing with chemical detergents over the span of 24 hours after using the biopreparation. Depending on the temperature the application effect will be noticeable in 1-2 weeks (bad smell will be eliminated, improved drainage).

3. Plant wastes composting

To treat 1 m³ of wastes, mix 35 ml of Unikal®-r in 10-20 l of hot settled water. Prior to treatment damp the wastes (watering, raining) until the moisture exposes after a moderate pressing. Pour each layer of wastes with the biopreparation solution and cover it with grass, straw or soil.

The wastes are treated 2 times a month with the preparation solution (0.5 of flask per 10-20 l of water) until complete compost aging.

Turn over the compost occasionally to ensure air access and moist it to speed up aging. To create the green house effect, cover the surface with the polyethylene film.

Compost can be prepared in the pit or fenced preferably in the southern part of the garden or household plot.

Compost aging time accounts for 5-6 weeks.

Shake up the preparation before use!

The preparation solution should be used over the span of a day avoiding direct sunlight!

Consumption rates

Treatment	Outdoor toilet, cesspit treatment (volume 1.0-2.0 m ³)	Sewer pipes cleaning (up to 5 m)	Wastes composting (1 m ³)
<i>First treatment</i>	<i>1 flask (35ml) of preparation per 5-10 l of hot settled water</i>	1 flask (35ml) of preparation per 500ml of hot settled water	1 flask (35ml) of preparation per 10-20 l of hot settled water
<i>Next treatments</i>	0.5 flask of preparation dissolved in 5-10 l of hot settled water (if needed monthly)	-	<i>0.5 flask of preparation per 10-25 l of hot settled water, 2 times a months</i>
<i>Effect</i>	<i>1.0-1.5 months</i>	<i>1-2 weeks</i>	5-6 weeks

Precautions:

Unikal®-r is safe for environment, people and animals.

Wash off the preparation if contacting skin or eyes.

Storage conditions:

Stored in hermetical package in the light-protected place at 4 °C to 15 °C temperature.

Guaranteed storage life from the production date:

- 24 months at 4 °C to 6 °C temperature;
- 18 months at 6 °C to 10 °C temperature;
- 12 months at 10 °C to 15 °C temperature.

Ukraine's state sanitary and epidemiological expert conclusion # 05.03.02-04/47171 as of 09 July 2010

Producer:

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