

Application instruction

Liposam® Group I

bio-glue for protection of rape and legumes pod, flax seed boxes and cotton balls, tree fruit and berries

Description: from light-grey to beige coloured gel.

Composition: genuine sticking biopolymers blend.

Intended use:

for sticking:

- rape, mustard seedpods;
- pea, haricot, vegetable beans pods;
- flax seed box, cotton balls

to prevent cracking and crop losses.

for damage prevention:

- of trees and horticultural fruit, etc.

Specific effect:

- in 15-30 minutes after treatment creates flexible elastic film capable of extending and gluing;
- does not disturb plants breathing and photosynthesis in contrast to synthetic filming agent having no similar properties;
- promotes vegetation period extension, normal oil and protein accumulation respectively in technical crops and legumes seeds over the span of 3-4 weeks;
- ensures natural ripening of both upper and lower layers of technical and leguminous crops;
- regulates moisture content in pods, beans, boxes preventing it from getting inside but on the contrary allowing its free escape.

Competitive advantages:

- uniform crops ripening, pods and fruit cracking prevention, which cuts crops losses by 30-50%;
- activities net costs cut due to retention and increase of agricultural products volume from the unit of specific square;
- wide temperature range from sprinkling plants: from 0°C to 30 °C;
- plants protection from adverse ambient factors (drought, burns, wind, rain, etc.);
- during legumes and technical crops harvesting additional costs for drying are cut (especially during rainy season) due seeds moisture content reduction;
- tree and horticultural fruit protection against damages during ripening, harvesting and transportation;
- fruit and berries storage life extension.

Liposam® bio-glue use

The bio-glue is applied in a form of water solution. The preparation is dissolved gradually. The rated amount of the preparation is mixed up with water (in 1:1 proportion) until getting uniform solution; water is added gradually until getting the required volume of treatment mixture. The prepared bio-glue solution is applied in line the recommendation specified in the table.

The plants are sprayed applying land-based or air method in 2-4 weeks prior to harvesting at the temperature range from 5 °C to 30 °C.

Table - Consumption rates

Agricultural crop	Method of application:						Treatment time
	Land-based		Air treatment				
	Bio-glue l/ha	Water volume l/ha	From plane		From delta plane		
Bio-glue, l/ha			Water volume, l/ha	Bio-glue, l/ha	Water volume, l/ha		
Rape	0.7-1.5	100.0-200.0*	0.7-1.5	50.0-100.0	0.5-0.8	6.0-12.0	In 2-4 weeks prior to harvesting, when the pods in the lower layer get brown and twisted into "U"-shaped curve without cracking along the joint
Mustard, pea, haricot, vegetable beans, flax, cotton							In the stage of technical and biological ripeness
Fruit trees, horticultural crops	1.0 -2.0						In 2-4 weeks prior to harvesting

* The water volume depends on the type of sprayer.

Precautions:

Liposam bio-glue preparation is ecologically safe for humans, animals and insects!
Wash off the preparation if contacting skin or eyes.

Storage:

Liposam bio-glue preparation is stored in hermetical package at 0 to 20 °C temperature.

Guaranteed storage life: 3 years from the production date.

Ukraine's state sanitary and epidemiological expert conclusion # 05.03.02-04/9210 as of 26 February 2007

Producer:

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