



FILMS FOR SOIL DISINFECTION

Orgasun®

This is a special 3-layer barrier film with Polyamide in the middle layer. It does not allow fumigation gases to escape by passing through the film, so their efficiency is increased and fumigation gives much better results.

At the same time, it has been proven that Orgasun® improves the efficiency of solarization, because it traps the gases that are generated by the high temperatures under the film and these suffocate the pathogens. As a result, it is possible to reduce the time needed for solarization from 6-8 weeks under PE film to 4-5 weeks under Orgasun®.

The film contains UV-stabilizers and can be left as mulching after the solarization is finished for the rest of the season. It also contains anti-dripping additives which reduce the formation of droplets on its surface, help increase the temperature of the soil thus improving the efficiency of disinfection of the soil by the sun.

An additional benefit of Orgasun® is that, by preventing the gases to escape and keeping them at the ground, it protects the greenhouse cover from the harmful effect of sulfur and chlorine which are contained in fumigation chemicals like Vapam, Condor (1,3-D), chloropicrine etc.

Its thickness is 32 mic. which makes it quite economic in usage.

Kritifil® UV 2252

This is a special 3-layer PE film for solarization. It is made of LLDPE polymer for improved strength and elasticity. Its thickness is only 32 mic. which makes its usage very economic.

The film contains UV-stabilizers and can be left as mulching after the solarization is finished for the rest of the season. It also contains anti-dripping additives which reduce the formation of droplets on its surface, resulting to higher soil temperature and improving the efficiency of disinfection by the sun.

Our recommendation

- Orgasun® is the best solution when there is use of chemicals, there is need to limit the time of solarization and when the soil has many pathogens.
- UV 2252 is an excellent and economic solution when no chemicals are used, there is plenty of time for solarization (6-8 weeks) and the soil does not have many infestations.



Solarization with Orgasun® and UV 2252 AD
(no droplets on the surface → higher soil temperature)



Solarization with common film