

MANUFACTURER
INNOVATION LEADER

They can be used in both surface and subsurface installations for infiltration of treated wastewater or water



GREEN SHOWER linear sprinkler for connecting water hose



GREEN SHOWER mobile, surface sprinkler



GREEN SHOWER plot sprinkler with quick connector



Plot divider

Construction of a linear irrigation system

The system should be built using GREEN SHOWER sprinklers designed for the construction of linear irrigation systems.

The length of the system should be adjusted according to the number of PE and type of soil:

- with sandy soil 2 lm/1PE
- with clay-sandy soil 3-4 lm/1PE
- with clay soil 5-6 lm/1PE and additionally replace the soil

Most often, 5 to 8 sprinklers are used. If we want to create a more extensive irrigation system, we can order the BIO EASY FLOW sewage treatment plant with a larger pump, which ensures efficiency adapted to a larger number of linear sprinklers.

The installation should be carried out with a slope towards the sewage treatment plant, so that the pipeline is empty after the pump is turned off.

NOTE: If it is not possible to run the entire installation with a slope towards the treatment plant, a hole and a small drainage well should be made at the lowest point of the installation. (See fig.1b).

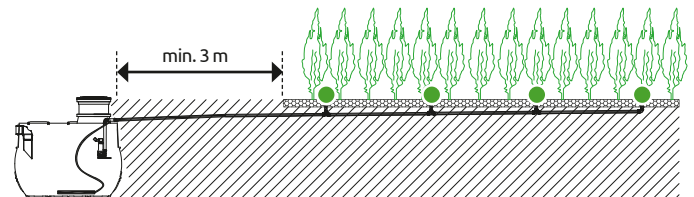


Fig.1a Scheme of the construction of a linear irrigation system

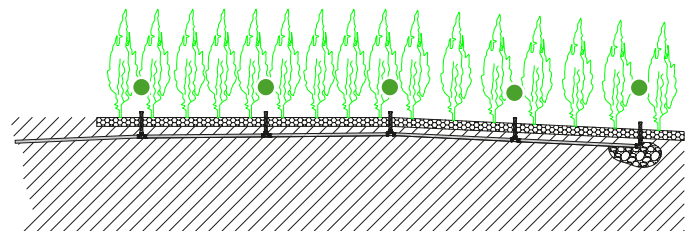


Fig.1b Scheme of the construction of a linear irrigation system in uneven terrain





Other irrigation systems

1. Construction of a plant plot

The surface of the system should be adjusted according to the PE number and the type of soil:

- with sandy soil 2 lm/1PE
- with clay-sandy soil 3-4 lm/1PE
- with clay soil 5-6 lm/1PE and additionally replace the soil.

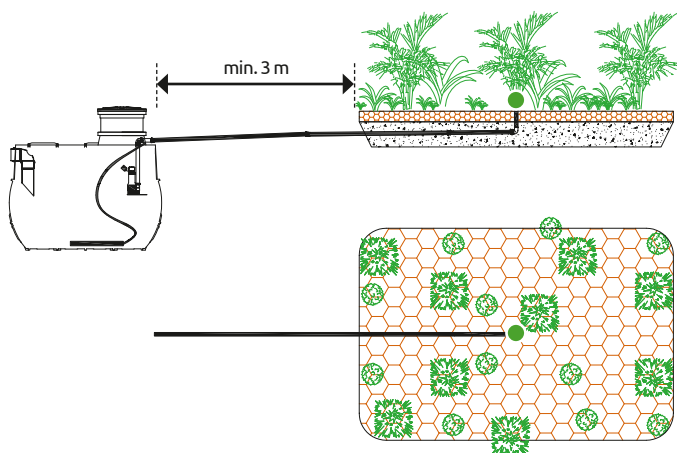


Fig.2a Scheme of the construction of a plant plot

2. Construction of a mobile irrigation system

Irrigation of plants using hoses connected to the main pipeline. This allows you to easily change the location of irrigation.

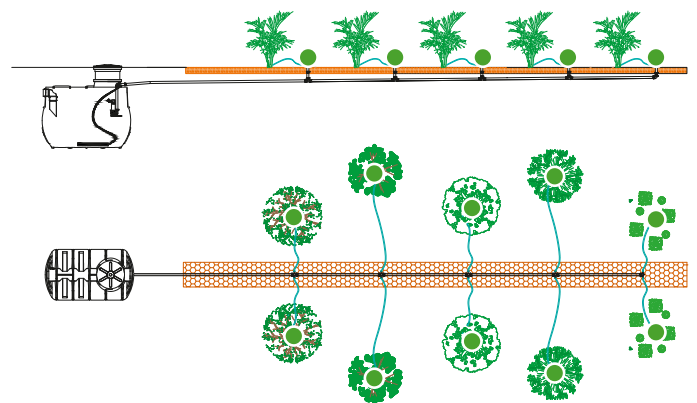
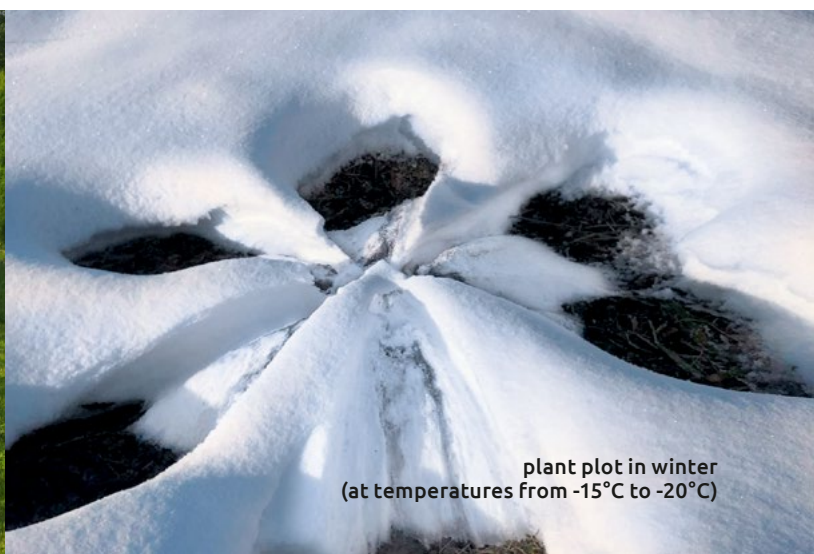


Fig.3 Scheme of construction of a mobile irrigation system





3. Construction of an oblong plant plot larger sizes

The number of sprinklers should be adjusted to the length of the system.

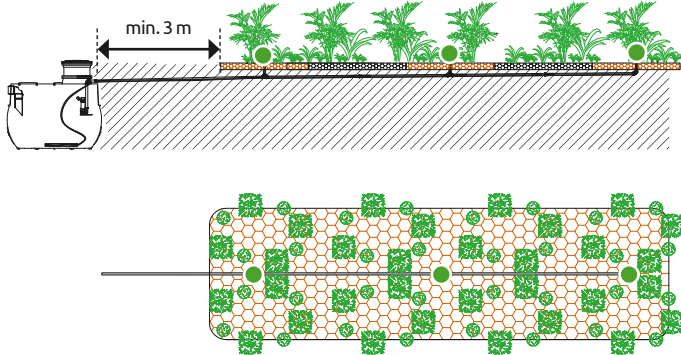


Fig.4a Scheme of construction of an oblong plant plot of larger sizes

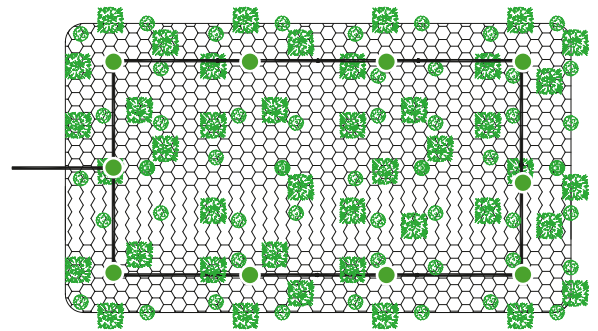
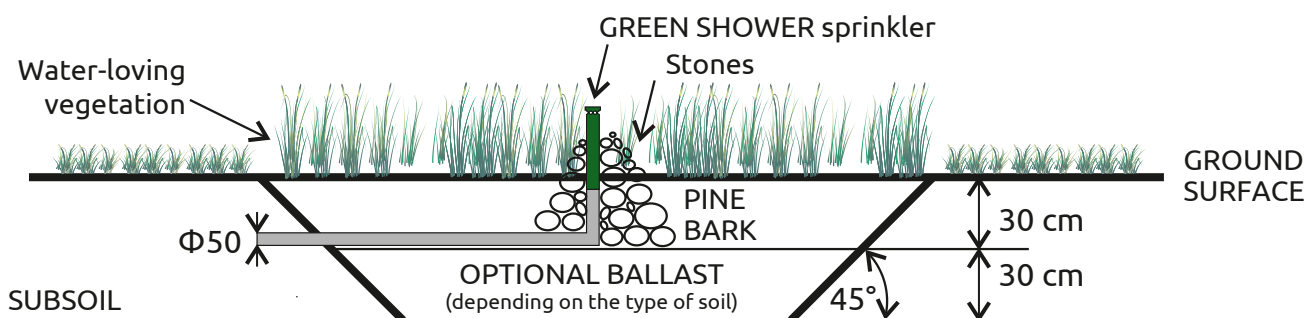


Fig.4b Scheme for the construction of a plant plot of larger size with a peripheral irrigation system

! The minimum distance between the sewage treatment plant tank and the beginning of the linear irrigation system or plant plot cannot be less than 3 m.

An example cross-section of a plant plot



Water-loving vegetation (good for use in a plant plot)

Plants that like both sunny and shady places



Iris



Lily



Loosestrife



Horsetail

Plants that like sunny places



Switchgrass



Small-reed



Hibiscus



Crystal peak white

Plants that like shady places



Ligularia przewalskii



Japanese pachysandra



Hosta



Sedges



Goat's beard



Anemone



Marsh-marigold

In spring, all plants should be cut back as much as possible.

LET US PROTECT THE EARTH'S
WATER RESOURCES

MANUFACTURER OF:
sewage treatment plants
rainwater harvesting systems
pumping stations
biopreparations

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