

SCI SUBSTRATE

BURÉS PROFESIONAL, S.A's, SCI substrate, based on peat and coconut fibre both improves the root development as well as speeds up the plant growth.

The substrates with coconut fibre and *Spaghnum* peat as main components allow for low density, highly stable substrates to be developed. They have excellent physical properties and a great capacity to maintain their structure through the whole cultivation period, thanks to the high degradation resistance of the coconut fibre.

composition

The main components of the **SCI substrate** are *Spaghnum* peat from the Northern Europe Baltic peat bogs and coconut fibre that contains no fine particles. The mixture can include different fertilizer doses according to the kind of crop and the client's need.



properties

The main properties of the **SCI** are shown in the table below:

PARAMETER	UNIT	VALUE
HUMIDITY	% m/m	40-50
ORGANIC MATTER	% s.m.s.	80-95
pH	-	5,5-6,5
CONDUCTIVITY	mS/cm	35-62*
APPARENT DENSITY	g/l	110-180
TOTAL POROUS SPACE	%	85-95
AIR	%	25-35
EASILY ASSIMILABLE WATER	%	20-30
RESERVE WATER	%	3-6
DIFFICULT TO ASSIMILATE WATER	%	32-37

***For the SCI-2 fertilization level**

Metal content below the authorized limits for this calcification (class A).

The **SCI** substrate improves root development and allows the Fast growth of the plants through the whole cultivation period.

The mixture has a high aeration and porosity, which guarantees an optimal root settlement and health.

The **SCI** substrate is enriched with a base fertilizer dose (SCI-1 fertilization dose) for the first weeks of farming. The customized production allows for up to three different levels of fertilization (see details on table).

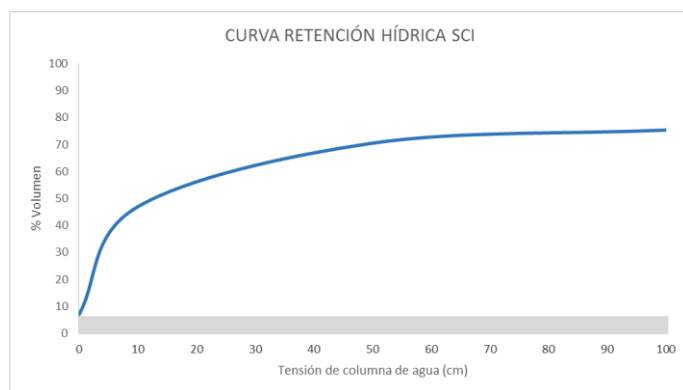


Fertilization doses of the SCI

SCI SUBSTRATE	FERTILIZER (mg/L N-P ₂ O ₅ -K ₂ O)
SCI-1	100-110-130
SCI-2	180-200-230
SCI-3	300-340-385

For low fertilizer doses (SCI-1) further fertilization is recommended to achieve maximum efficiency. Said fertilization can be done through a slow-release fertilizer or fertilization watering.

It is noteworthy the slightly acidic pH of the mixture, which improves nutrient solubility.



applications

The **SCI** substrate has been designed by **BURÉS PROFESIONAL, S.A.**, for both greenhouse and outdoor with controlled catering farming, allowing for a great range of ornamental plants. This mixture is highly polyvalent, and is ideal for the plants listed below.

SCI-1:

.Tropical plants: *kentia, saintpaulia, croton*
.Acidophyl plants' farming: *hortensia, camelia, rhododendron, gardenia*

SCI-2:

.Seasonal plants: *primula, begonia, impatiens, pelargonium*

.Aromatic plants: *thymus, rosmarinus, lavandula*

SCI-3:

.Outdoor Mediterranean bushes cultivation: *nerium, viburnum, euonymus, pyracantha*

.Farming of citrics in containers



product presentation

The **SCI** is sold in bulk, served with a dump truck, with a minimum order of 20 m³. It can be bought as well in 70L sacks, with 39 sacks/pallet.

The whole producing process, as well as the final product, has undergone strict quality controls with the aim of guaranteeing both the client satisfaction and a deep respect for the environment in all our activities.