HYDROSPRIGGING
Ref : HM.SPRIG

CCTP BASE
HYDRO-SPRIGGIN
"HM.SPRIG

Type :
For specific planting constraints using runner cuttings or sedum cuttings.

WARNING :
Each project has its own specific features, which sometimes require the input quantities to be refined. The data contained in this document are averages used on similar projects.
Euro-Tec technicians will be happy to provide you with further information and help you prepare your seed mix - www.euro-tec.fr

Scope of application :

This SCC describes the procedure for laying vegetation using HYDROSPRIGGING.

contrast to HYDROSEEDING & HYDROMULCHING, HYDROSPRIGGING is a technique that ensures and encourages the rooting of cuttings or fragments by keeping them in contact with the soil and limiting their drying out during this critical phase.

1 - HYDROSPRIGING EQUIPMENT

Seeding will be carried out by HYDROSPRIGING using specific equipment of the EuroMulcher type *fitted with a volumetric or centrifugal pump with a "spacer"* that complies with the EC directive defining requirements in terms of health and safety (EU Directive 2023/12/30) and compatibility of worksite equipment with electromagnetic waves (EU Directive 2014/30).***An EU plate certifying compliance with these directives must be affixed to the equipment, and a certificate of approval must be provided to the SPS (health and safety coordinator).***

The equipment will preferably be fitted with a petrol engine, which is fully in line with a CSR approach that aims to protect people by limiting emissions that are sources of fine particles in particular and by limiting noise.
To ensure a "neat" application that respects the works and ancillary facilities, the equipment will also be fitted with a semi-rigid hose reel, a shut-off valve and removable nozzles.

A description of the equipment and the certificate of approval must be attached to the offer.

1-1 Description of supplies 1-

1-1- Cuttings

The company must provide proof of the origin of the cuttings and ensure that the time between harvesting and use does not exceed 72 hours. Any further delay is highly detrimental to the viability of the cuttings or fragments.

The company must also justify :
- The supplier's name or code,
- The batch number
- Species and variety

After each job, the contractor must provide the client or the project manager with all the information needed to check the quality and quantity of the seed used.

1-1-2 -Soil conditioners

All fertilisers and soil improvers must comply with EEC regulations.

- Germination activator: VEGE-MAX or equivalent

Concentrated, 100% soluble liquid supply humic and fulvic acids.

VEGE-MAX is a soil improver with a high C/N ratio that maintains, improves and protects the physical and chemical properties, structure and biological activity of the soil.
At the soil-root interface, VEGE-MAX strengthens the clay-humus complex, improving the soil's air/water balance, water retention capacity and cation exchange capacity (CEC).

Composition:

Dry matter	21 %	
Organic carbon (corg)		10.1 %
Corg/N		20.2
Total potassium oxide (K2o)		5 %
Electrical conductivity		150 mS/m
pH value		13

1-1-3- Hedging products

- VERTOIT layout matrix or equivalent

The inputs for the complex are of French origin and UAB verified: Usable in Organic Agriculture in accordance with (EU) regulation no. 2018/648. These characteristics will be specified on the description or technical data sheet.

Composition:

Tracer		(green)
Raw material	Recycled cellulose / Pinus	
Fibre length		2 to 6 mm
% Cellulose		30 %
Wood fibre		35 %
% Guar binder additive		5 %
% Fertiliser additive 7-2-9 (NFU 44-204) - OSYR & Biochar inside		30 %
% Water retention capacity / dry weight (ASTM D7322)		1000 %
% Moisture content	(+/- 2 % variation)	8 %

1-1-4 Water in the hydraulic mixture

The water used to make up the hydraulic mixture must have chemical characteristics compatible with the germinative activity of the seeds and the emergence of the seedlings.

The Company is responsible for obtaining the necessary authorisations to pump water.

Before the start of the worksite, the Company must provide the project owner, without the latter being held liable, with proof of the pumping authorisations obtained from the competent authorities.

1-2 Hydromulching: Description of implementation

	First pass
Euro-seeding "fragments" mixture ref (Kg/ha)	2 000
VEGE-MAX growth activator (L/ha)	50
Planting matrix VERTOIT (Bt/ha)	200

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1-2-1 Receipt of supplies

To to promote the control of supplies, these must be delivered in a single delivery.

1-2-2 Quantity survey of works to be seeded

The surface area of the sites to be grassed will be agreed before the work begins, so that supplies can be delivered all at once.