

MAS4 COVER NITRO P

AGRONOMIC COVER CROP
BEFORE MAIZE FOR EARLY
SOWING

- **NITROGEN FOR THE FOLLOWING CROP**
thanks to its legume-rich composition
- **STRONG BIOMASS PRODUCTION**
Biomass production begins before the winter and increases after the winter thanks to the vetch in the mixture
- **STRUCTURES THE SOIL**
The roots of the species in the mixture are very complimentary and structure different levels of the soil



8% Brassicaceae

10% Others

82% Fabaceae

MIXTURE DETAILS

Species	Variety / Type	% Weight	No. kernels/ m ² at min density	Frost sensitivity at maturity	Benefits
Brown Mustard	BRASSICA JUNCEA LATE	8%	45	-5 °C	Late flowering which avoid mustards to go to seed and reduce lignification. Quick installation, good soil structuration and take up the residual soil nitrogen left.
Phacelia Scorpion Weed	PHACELIA TANACETIFOLIA	10%	84	-7 °C	Versatile specie that will fill all remaining spaces in cover crops. Good for pollinators and not in botanical family of main crops.
Crimson Clover	TRIFOLIUM INCARNATUM	22%	81	-15 °C	"Winter" annual clover, good biomass development in autumn, not sensitive to frost, usefull to produce nitrogen in spring before sowing of spring crops.
Purple Vetch	VICIA BENGHALENSIS	25%	8	-8 °C	More aggressive than common vetch when tempratures are warm, less productive in winter and more sensitive to frost
Common Vetch	VICIA SAT WINTER	35%	8	-12 °C	Versatile legumes, fit for all soil and conditions, cover well the soil. Needs a tutor to avoid disease development

NUTRIENT GAIN FOR THE NEXT CROP

	COVER CROP BIOMASS		
	3t DM	4t DM	5t DM
Nitrogen (kg/ha)	45	55	70
Phosphorus (kg/ha)	15	20	25
Potassium (kg/ha)	100	135	170
Carbon (t/ha)	0.4	0.5	0.70

MIXTURE EFFECTS

Biomass	8
Biodiversity	8
Soil structure	9
Nitrogen	9
Pollinator	6
Ease of destruction	9
Speed of establishment	6

1-3 sensitive – poor | 4-6 medium – good | 7-9 tolerant – excellent

SOWING & CULTIVATION

Sowing period	Mid August-Late September	Ideal sowing is between mid-August until end of September at 1-2cm depth.
Sowing rate	12-15 kg/ha	
Sowing depth	1-2 cm	
Duration	Annual	