

LEGUMES. VETCHES 29 28 **LEGUMES**. VETCHES



Its climbing ability and nitrogen fixation make it perfect to mix it with a cereal such as triticale or oats. They adapt to all types of soils and semi-arid areas, humid and even irrigated. Slow initial growth, but in spring, when temperatures are adequate, it grows very fast.

Common vetch is recommended instead of hairy vetch in dryer and warmer areas.

to obtain forage to before winter.

It can be sown in late summer, after cereal,

Maxivesa



- Mid-Cycle
- High forage & grain production
- TKW medium

Prontivesa



- Extra Early Cycle
- High grain & forage production
- Medium-high TKW

Gravesa 81



- Mid-Cycle
- High forage & grain production
- Medium-low TKW

Urgelba



- Early Cycle
- High grain & forage production
- Medium TKW

Rueda

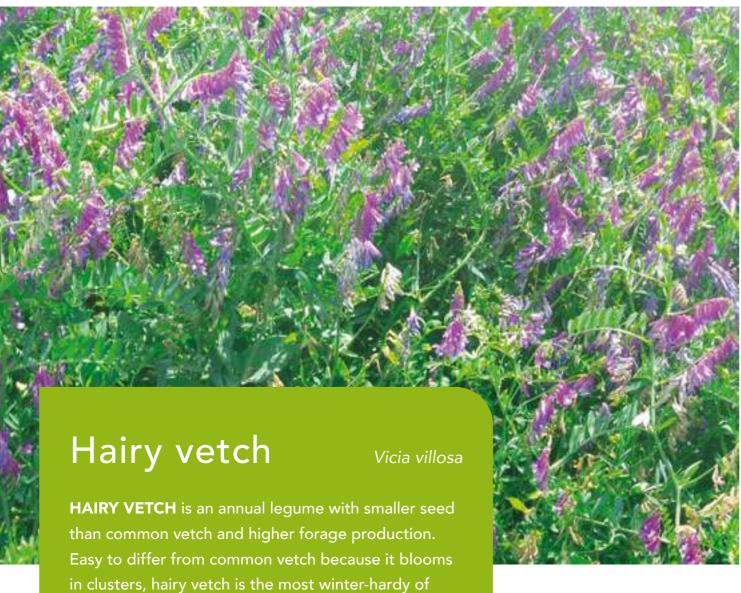


- Mid-Cycle
- High forage & grain production
- Medium TKW
- New Batlle genetics





30 LEGUMES. VETCHES 31



In cold winter areas where springs are longer and wetter.

For higher forage production and lower grain production.

For higher forage

Villana



- Mid-Cycle
- Outstanding forage production
- Mid-low TKW
- Very high cold tolerance

Villota



- Early Cycle
- Outstanding forage production
- Mid-low TKW
- High cold tolerance

Villegas



- Mid-late Cycle
- Unbeatable forage production
- Mid-low TKW
- High rusticity and frost resistance
- New Batlle genetics





THOUSAND KERNEL WEIGHT (TKW)

conditions.

the commercial vetches, although it prefers wetter

Produces a good quality forage. Very adapted to wet

drylands and temperate areas with long springs.

SOWING SEASON

SOWING RATE

30-45 grams

September to November

50-60 Kg/ha

32 **LEGUMES**. FORAGE PEAS **LEGUMES. FORAGE PEAS 33**



It is better to wait for late sowings to avoid competition with weeds and sanitary problems.

well-drained, light soils.

They must be sown in





- Mid-Cycle, Purple flower
- Outstanding forage yield
- Mid-low TKW (150-180g)
- Very high height

Guifilo



- Early Cycle, White flower
- Very high grain yield
- High TKW (210-250g)
- Mid-low height



Guimas



- Early cycle
- High grain yield

Guinda

- High TKW (200-220g)
- Average height



- Autumn-Winter sowing
- High grain yield
- Mid TKW (180-200g)

Guinorme



- Mid-Early Cycle
- High grain yield
- Mid-low TKW (160-170g)
- High height

Chicarron



- Mid-Early Cycle, white flower
- High grain & forage yield
- Mid-low TKW (160-180g)
- Medium-high height



160-250 grams

EU agricultural policy.

tolerance.

Our R&D programs, sometimes in collaboration with

other organizations such as ITACYL, have allowed us

our growing conditions, both in cycle and in drought

to offer you protein peas that are fully adapted to

SOWING SEASON

From October to February according to variety

150-225 Kg/ha

SOWING RATE

LEGUMES. FIELD BEANS 35 34 **LEGUMES**. FIELD BEANS



It can be sown in heavy soils, where other legumes do not develop.

High protein content per hectare.

Tavira



- Early Cycle
- High grain yield
- Mid TKW
- Broomrape resistance

Prothabon 101



- Mid-Early Cycle
- High grain yield
- Low TKW
- Excellent health

Prothabat 69



- Mid-Early Cycle
- High grain yield
- Low TKW
- Excellent health

Borjana



- Mid-Early Cycle
- Very high grain yield
- Medium-high TKW
- Broomrape resistance

- Mid-Cycle
- Very high grain yield
- Low TKW
- High protein content

Vitabón

- High rusticity
 - Mid-low TKW

- Mid Cycle

Vinicius

- High productive potential

THOUSAND KERNEL **WEIGHT (TKW)**

cases, along with a high protein content.

the soil between 60 and 120 units.

High cold resistant and perfectly adapted to

mechanization, field beans grow very well especially on

loamy soils and clay loam, where most of protein crops

animal fodder and are frequently used as green manure.

fail to develop. It can be used for grain production for

It is an ideal alternative in nitrogen rotations leaving in

End of October to 450-700 grams early January

SOWING SEASON

150-200 Kg/ha according to variety

SOWING RATE







36 LEGUMES. BITTER VETCH **LEGUMES.** BITTER VETCH 37



Like the rest of legumes, its main characteristic is the nitrogen contribution to the soil, favoring later crops, generally in cereal rotations. In Spain, it is a species grown mainly in the south of Aragon and in Castilla la Mancha. Like forage peas, horse beans and vetches, their surface have been increased due to the EU plant protein needs and the consequent incentive for its cultivation.

Well adapted species to poor and arid soils.

High cold tolerance, it is suitable to grow in areas where forage peas have problems.

Moro Da 5

- Medium Cycle
- Yellowish grain color
- White flower
- High rusticity and good productive potential

Hully

- Medium cycle
- Yellowish grain colour
- White flower
- Excellent grain yield potential in rain feed areas



THOUSAND KERNEL **WEIGHT (TKW)**

SOWING SEASON

SOWING RATE

30-40 grams

October to early December

100-150 Kg/ha

38 LEGUMES. CHICKPEAS 39



Rustic plant.

Well adapted to light soils and well drained soils.

Garpedro



- Mid-Early Cycle
- Extraordinary productive potential,
 adapted to culinary use
- Excellent health, Ascochyta
 blight resistance
- Brown seed, average-small size
- Caliber 8 mm, TKW of 345 g

Badil

- Mid-Early Cycle
- High productive, thin skin
- Excellent health, Ascochyta blight resistance
- Brown seed, average-small size
- Caliber 8 mm, TKW of 350 g

Garbelo



- Mid-Early Cycle
- Extraordinary productive potential, with high quality
- Excellent health, Ascochyta blight resistance
- Brown seed, average-small size
- Caliber 8,5 mm, TKW of 360 g

Garbiñe



- Mid-Early Cycle
- Very high productive potential, with high quality
- Excellent health, Ascochyta blight resistance
- Brown seed, medium-large size
- Caliber 9,5 mm, TKW of 420 g

Garsuco



- Early Cycle
- Extraordinary productive potential, with high quality
- Excellent health, Ascochyta blight resistance
- Brown seed, average-large size
- Caliber 10 mm, TKW pf 470 g



properties and.

experienced a high market demand due to its

SOWING SEASON

SOWING RATE

250-500 grams

From November to January in warm areas and from January to February in cooler areas

100 Kg/ha



40 LEGUMES. LUPINS LUPINS 41



Lupins includes various species, all of them cultivated around the world for human and animal food (i.e. some varieties have a high content of carotenes, very interesting for animal feed), although they are also used in various industrial processes.

Crop able to recover poor forest soils with a low level of organic matter where weeds and shrubs must be eliminated.

Lupins

KEY BENEFITS

- High capacity for atmosferic nitrogen fixation
- Erect growth reaching 90-120 cm



FEATURES

- Well adapted to acidic to neutral soils.
- Well drained soils are required.
- Fertility forerunner with high hardiness.
- Rusticity.

- Fertility starter of poor organic matter soils.
- Requires low soil pH.



OUR VARIETIES

RUMBO BAER: white flower (albus)
LILA BAER: purple flower (angustifolius)
AZURO: purple flower (angustifolius)

DALBOR: purple flower (angustifolius) **KARO:** purple flower (angustifolius)

THOUSAND KERNEL WEIGHT (TKW)

190-380 grams

SOWING SEASON

End of October to mid December

100-150 Kg/ha

SOWING RATE

42 LEGUMES. YELLOW LUPINS 43



Another aspect that makes it interesting in the Mediterranean basin is its adaptation to acid soils with a low level of organic matter.

It is a traditional species of the Iberian pasture lands.

Crop used to recover forest soils with a low level of organic matter. Very suitable for removing weeds and shrubs.

THOUSAND KERNEL SOWING SEASON SOWING RATE WEIGHT (TKW)

70-200 grams

End of October to mid December

70-120 Kg/ha

Yellow lupins

KEY BENEFITS

- High capacity for fixing atmospheric nitrogen
- Erect carriage with 90 to 120 cm



FEATURES

- Well adapted to poor soils, with acidic to neutral pH.
- Well drained soils are required.
- Fertility forerunner with high hardiness.



OUR VARIETIES

MISTER: early cycle BARYT: early cycle

COMÚN: mid-late cycle