

**Wipasz S.A.**  
**is one of the largest**  
**feed manufacturers in Poland**





**WIPASZ**  
*jest nasz!*

## Our capabilities:



**1**

million  
tonnes of feed  
per year



**6**

feed  
plants



**630**

thousand  
tons of grain  
in storage

## Our certificates:



QS. Ihr Prüfsystem  
für Lebensmittel.

More information  
can be found on:



[www.wipasz.pl](http://www.wipasz.pl)

# Polish protein – Wipasz is ours!

**Polish farmers are able to replace 40% of currently imported soybean meal with Polish protein crops.**

Protein crops that are easy to grow in Poland are **field beans, peas, and soybeans**. To cover such a demand for soybean meal, it is necessary to produce 1.5 million tonnes of **Polish protein** by cultivating **400,000 hectares** of crops.



---

'The European Green Deal' will additionally promote the cultivation of plants from the legume family.

*We are looking forward  
to working with you*



## SOIL

- ☑ Compact, heavy soils, difficult to cultivate
- ☑ Soil acidity: 6-7 pH

## CULTIVATION

- ☑ Winter plowing
- ☑ Sowing date in Poland: south 1<sup>st</sup>-2<sup>nd</sup> week of March; north 2<sup>nd</sup>-3<sup>rd</sup>-4<sup>th</sup> week of March
- ☑ Soil temperatures: not relevant
- ☑ Sowing depth: place seeds at a depth of 8-10 cm
- ☑ Frost hardiness: field beans can withstand up to 8-9°C below zero in the ground
- ☑ Germination: about a month after sowing
- ☑ Planting density per m<sup>2</sup>: 45-50 plants

## FERTILIZATION

- ☑ 17 kg of P<sub>2</sub>O<sub>5</sub> (phosphorus)
- ☑ 40 kg of K (potassium)
- ☑ 8 kg of S (elemental sulfur)
- ☑ 40 kg of CaO (calcium oxide)
- ☑ 8 kg of Mg (magnesium)

Seed treatment with papillary bacteria should be done no earlier than a week before sowing - this eliminates the use of nitrogen.

## PROTECTION

- ☑ **In-soil herbicide application** - it is cheaper and effective due to soil moisture during field bean sowing
- ☑ **Monocotyledonous weeds, volunteer cereal plants** - after germination
- ☑ **Treatments for fungi (spots)** - one fungicide treatment at the beginning of flowering

## ECONOMICS

- ☑ Yield 4-5 tons per hectare
- ☑ The best site for wheat - yield better than after rapeseed

## FIELD BEAN VARIETIES

- ☑ 'Self-finishing' field bean - programmed as to the number of flowers that set. The harvest time is in the second half of August.
- ☑ Common field bean - yield dependent on the weather, it needs to be desiccated - the possibility of obtaining a yield about 20% higher than in the self-finishing variety. The earliest harvest time is September.

# Field bean



Soils best for growing field beans

Wipasz S.A. recommends growing the self-finishing field bean varieties with light-colored seed shells, due to their high content of nutrients and low content of anti-nutrients.

## SOIL

- ☑ Light, airy, abundant soils
- ☑ Soil acidity: 5.5-7 pH

## CULTIVATION

- ☑ Winter plowing recommended
- ☑ Sowing date in Poland: south 1<sup>st</sup>-2<sup>nd</sup> week of March; north 2<sup>nd</sup>-3<sup>rd</sup>-4<sup>th</sup> week of March
- ☑ Soil temperatures: not relevant
- ☑ Sowing depth: place seeds at a depth of 4-5 cm
- ☑ Frost hardiness: peas can withstand up to 6°C below zero after germination
- ☑ Germination: about 2-3 weeks after sowing
- ☑ Planting density per m<sup>2</sup>: 110 plants

## FERTILIZATION

- ☑ 17 kg of P<sub>2</sub>O<sub>5</sub> (phosphorus)
- ☑ 40 kg of K (potassium)
- ☑ 8 kg of S (elemental sulfur)
- ☑ 40 kg of CaO (calcium oxide)
- ☑ 8 kg of Mg (magnesium)

## PROTECTION

- ☑ **In-soil herbicide application** - it is cheaper and effective due to soil moisture during pea sowing
- ☑ **Monocotyledonous weeds, volunteer cereal plants** - after germination

## ECONOMICS

- ☑ Yield 3-4 tons per hectare
- ☑ The best site for wheat - yield better than after rapeseed

# Peas



Soils best for growing peas

---

Wipasz S.A. accepts only white seeds



## SOIL

- ☑ Light, airy, abundant soils
- ☑ Soil acidity: 5.5-7 pH

## CULTIVATION

- ☑ Winter plowing is recommended, rolling only before sowing
- ☑ Soil temperatures: minimum 8° C
- ☑ Sowing depth: place seeds at a depth of 3 cm
- ☑ Frost hardiness: soybeans can withstand up to 3°C below zero after germination
- ☑ Germination: about 2-3 weeks after sowing
- ☑ Planting density per m<sup>2</sup>: 60 plants

## FERTILIZATION

- ☑ 300 kg of NPK per hectare
- ☑ 2 weeks before flowering, molybdenum for better yields
- ☑ Seed treatment with papillary bacteria should be done no earlier than a week before sowing - this eliminates the use of nitrogen

## PROTECTION

- ☑ **Monocotyledonous weeds, volunteer cereal plants** - after germination
- ☑ **In-soil herbicide application** - for polycotyledonous weeds

## ECONOMICS

- ☑ Yield 3-4.5 tons per hectare

# Soybeans



Best soil for soybeans