

### EIP-AGRI practice abstract

#### Short title:

Solid fraction from pig/cattle slurry using belt press sieve and pasteurization

#### Summary:

Vlako's solid fraction is produced from pig/cattle slurry using belt press sieve and pasteurization.

The solid fraction has a dry matter content between 30 and 35% and gets pasteurized by infrared. By pasteurizing the solid fraction, it is free of pathogens like salmonella and e-coli, and can therefore be used for crops which are destined for human and animal consumption. Solid fraction can be used in: cereals, grains, dry pulses, protein crops, root crops and fresh vegetables.

Solid fraction can be spread by lighter equipment and there are less tons needed to bring the same kinds of nutrients as when slurry is being brought to the fields. Where normally 6 to 10 tons of slurry is being spread, this can be replaced by using only 2 to 2,5 tons of solid fraction. This means that solid fraction is cheaper to transport and it can be spread with lighter spreaders which leads to less soil compaction.

Application doses depend from crop application rates. Max 170 kg N/ha as livestock manure (230-250 kg N/ha for derogation dairy farms in NL).

The product price varies during the season and is on average -/€15 per ton ex works. This means that the producer pays €15 to be able to deliver the product. Average nutrient content is: organic matter: approx. 23%; N: 13,3 kg/ton; P2O5: 18,0 kg/ton; K2O: 5,1 kg/ton. Due to the organic origin of the fertilizer, nutrient content may vary.

For more information: [https://nutriman.net/farmer-platform/product/id\\_594](https://nutriman.net/farmer-platform/product/id_594)