

EIP-AGRI practice abstract -

Short title:

NPK organic fertilizer from poultry droppings with "SECONOV" dehydration process

Summary:

The dehydrated poultry droppings are made from the poultry manure of the farm "La Vallée" – Charente-Maritime, France – treated with the process SECONOV. This process ensures the decrease of the odors and the stabilization of the organic matter by eliminating the free water, with a better conservation of the product by stopping the fermentation and concentration of nutrients.

The product contains in average a concentration of 4.5 % Nitrogen (N), 3 % P₂O₅, 3% K₂O and Sulphur 1.3 % SO₃. The nitrogen bioavailability assessed in first year was up to 60%, and the phosphorus bioavailability was evaluated up to 80% (depending on soil properties).

This product can be spread with a horizontal spreader and it can be used in many crops. The recommended ones are: Wheat, Barley, Corn, Rape, Sunflower, Grapes. The recommended application doses varies according to the harvest objectives, from 1 to 4 t/ha. Its application as first fertilizing input (to compute according to the kind of soil and yield goal) are: For Wheat/Barley : 1 up to 2 tons/ha, for corn : 1 up to 3 tons/ha, for rapeseed : 1 up to 3 tons/ha, for Sunflower : 1 ton/ha and for grapes : 1 ton/ha. The product price is 40 €/ton

For more information, https://nutriman.net/farmer-platform/product/id_370