

ORGANIC FERTILIZER MARKET



Natural Ingredients. Smart Solutions.

sonac

DARLING
INGREDIENTS



ORGANIC FERTILIZER MARKET

Sonac processes raw materials of animal origin into valuable and essential ingredients and end products for the organic fertilizer market. By producing different organic NPK products in different locations, organic manure, organic minerals and a Biostimulant product, Sonac is able to offer a complete range of products for applications in organic fertilizer or as organic fertilizer. Key words for Sonac are: Natural, Available and Sustainable.

ORGANIC NPK FERTILIZERS

The range of the different products is wide; from products with a high N content like hair meal, blood meal and feather meal up to products with a high calcium and phosphorous content like bone meal. We are also offering soluble organic N fertilizers like spray dried hemoglobin powder. These type of products are suitable for drip irrigation systems. The N in spray dried hemoglobin powder is fast release. Sonac also offers slow release N fertilizers like feather and hair meal. These type of organic fertilizers are often applied and appreciated in mushroom production and typically also in grape production. A special pelleted blend of feather meal and cocoa shells can be produced on customer request.

BONE DERIVED MINERALS

Sonac and sister company Rousselot are producing bone derived di- and tricalcium phosphates. These products are by-products of bone gelatin production named Calfos and Delfos, which are with a sustainable alternative for rock derived phosphates, containing a low heavy metal content. These products are higher in phosphate (and calcium) content than any other bone meal on the market.



MANURE PELLETS

Sonac manure pellets are processed for 100% out of manure. We can offer cow manure pellets and our Biophosphate pellets. Biophosphate is produced out of pig manure in our state-of-art plant in the Netherlands. In this process we recover the manure pellets after production of bio gas from manure. The energy in this plant is re-utilized in order to dry and pelletize the manure in the most efficient way. Both products are an excellent source of organic matter for various applications.

BIOSTIMULANTS

Biostimulants are applied to plants or soils to improve crop vigor, yield, quality and tolerance of various stress factors. Biostimulants are complimentary to NPK fertilizers and pesticides. Sonac produces the biostimulant Mucofert. This enzymatically hydrolyzed protein is demineralized in a unique (and patented) manner in order to obtain the highest possible concentration of free amino acids.



PRODUCTS

PROTEINS

	N (%)	P205 (%)	K (%)
Blood meal	15,0%	0,7%	0,2%
Feather meal (pellets)	14,0%	0,5%	0,1%
Hair meal (pellets)	15,0%	0,4%	0,1%
Hoof meal	15,0%	0,7%	0,1%
Hemoglobin powder	15,0%	0,2%	0,6%
Meat meal	7,2%	12,1%	0,5%
Bone meal	6,0%	22,9%	0,2%
Poultry meat bone meal	8,3%	14,7%	0,5%

MINERALS

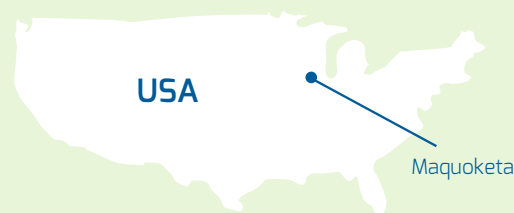
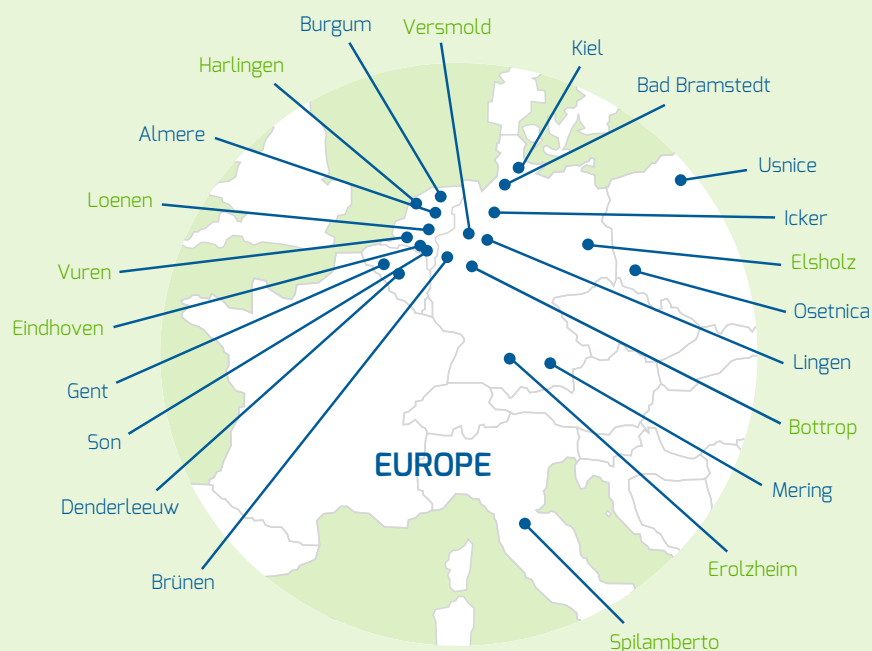
	N (%)	P205 (%)	K (%)
Delfos (DCP)	-	39,0%	0,03%
Calfos (TCP)	1,6%	32,1%	0,02%

SPECIALTIES

	N (%)	P205 (%)	K (%)
Biophosphate pellets	2,4%	6,0%	1%
Cow manure pellets	2,5%	2,5%	5%
Mucofert (liquid 24% dm)	2,9%	11% free amino acids	
Feather meal / Cocoa shell pellets	11,0%	0,7%	0,9%
Humic Acids (liquid 20% dm)	2%	6% humic acids	

SONAC LOCATIONS

Petfood/feed grade
Food grade



**For more information about our proteins, minerals and specialties,
please contact our advisors:**

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Sonac is a leading manufacturer of reliable ingredients of animal origin. With an active R&D program, reliable processes and sustainable end products Sonac continuously adjusts to market needs. A good geographical spread of locations and a broad portfolio of fats, proteins, minerals and specialties make Sonac a trusted partner for many international producers in food, pet food, feed and fertilizers, worldwide. Sonac is part of Darling Ingredients.



For more information about our products please contact us:

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