



PROTAMIN N13

PROTAMIN N13 is an innovative organic granular biostimulant based on hydrolyzed gelatin for agricultural use. By means of the exclusive production process process **FCH**[®], **PROTAMIN N13** contains three fractions of organic nitrogen with fast, medium and slow release for a balanced nitrogen sup-

ply throughout the crop cycle. Its high nitrogen content combined with the extremely high fraction of extractable organic carbon and the water absorption capacity of the granules, favor the activity of the soil microflora, thus increasing soil fertility. The biostimulant complex **APR**[®] acts both

on the plant and the soil stimulating root development, improving the activity of the soil microflora, nutrient absorption and soil fertility. As a consequence of the balanced nutrient delivery and biostimulant action, **PROTAMIN N13** increases plant tolerance to environmental stresses.

CROPS	METHOD OF APPLICATION	DOSAGES
POME, STONE FRUITS AND OTHER FRUIT TREES	At vegetative reawakening or in post-harvest.	150–300 kg/ha
WINE AND TABLE GRAPE, KIWIFRUIT	At vegetative reawakening or in post-harvest.	200–400 kg/ha
CITRUS, OLIVE, MANGO, AVOCADO, BANANA AND OTHER TROPICAL CROPS	In post-harvest.	200–400 kg/ha
VEGETABLES IN OPEN FIELD	Soil preparation before transplanting/sowing.	200–400 kg/ha
VEGETABLES IN GREENHOUSE	Soil preparation before transplanting/sowing.	25–50 kg/1000 m ²
CEREALS AND INDUSTRIAL CROPS	Soil preparation.	100–150 kg/ha
	Localized at sowing.	25–50 kg/ha
FLOWERS, ORNAMENTALS AND NURSERIES	Soil preparation.	25 kg/1000 m ²
	Mixed with potting soil.	2–3 kg/m ³ of soil
TURF AND GOLF COURSES	Soil preparation or top dressing.	25 kg/1000 m ²

ANALYSIS

Organic nitrogen (N)	13%
Organic nitrogen (N) water soluble.....	5%
Organic Carbon (C) of biological origin.....	42%
Extractable Organic Carbon/ Total Organic Carbon.....	95%

ADVANTAGES

- Favors photosynthesis and a balanced growth of plants.
- Improves plant tolerance to environmental stresses.
- Enhances soil fertility.

