



**ITALPOLLINA**  
HELLO NATURE!



**Sonar**

## THE IDEAL SOLUTION FOR CEREALS

**SONAR** guarantees a great quantity of nutrients during the entire growth cycle of the plant, due to the gradual release of organic nitrogen and phosphorus. SONAR is suitable for fertilization of grains thanks to a favourable ratio between N and P. Low salinity makes it useful also for local distribution on drill sowing. The large quantity of biologically active organic matter makes it suitable for tired, poor in organic matter or light soils, where the lack of water is the limiting factor. It has an optimal starter effect.

## COMPOSITION

Total nitrogen (N)	7 %
> Organic nitrogen (N)	3 %
Ammoniacal nitrogen (N)	4 %
Total phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> )	15% of which:
Water soluble phosphoric anhydride	12,5 %
Potassium oxide (K <sub>2</sub> O) water soluble	3 %
Organic matter	66 %
Humidity	10%

## THE ADVANTAGES

- High nitrogen intake
- Efficiency of organic nitrogen
- Decrease of leaching risk
- High fertilization efficiency
- Better yield and crop quality
- Intake of biologically active organic matter



## DEHYDRATION IN AIR FLOW: QUALITY AND SAFETY

To dry the manure, Italpollina has designed and built an exclusive manufacturing plant, unique in the world. Raw materials are dried by a flow of hot air (70 ° C) for 60 minutes: this system guarantees the elimination of any potential pathogen (eg Salmonella, Escherichia coli, Campylobacter, ...), thus allowing the useful micro-organisms (PGPR - Plant Growth Promoting Rhizobacteria) to remain alive and active.



Italpollina ensures the maximum health care and at the same time provides a biologically active product. It improves the physical, chemical and biological fertility of the plants and soil. After the drying step, a grinding system is used to guarantee the absence of weed seeds in the final product. At the end of the process, the pelleting is performed exclusively by pressure, without the use of chemical agents, adhesives or adjuvants. The result is a compact pellet, with low moisture and easy to distribute.

Once deployed in the field, the pellet absorbs water and dissolves rapidly, proving itself highly hygroscopic and biologically active.



## THE ADVANTAGES OF THE RANGE

- High and balanced nutritional intake (nitrogen, phosphorus, potassium and micronutrients).
- Increase of organic matter and beneficial microbials in the soil.
- Gradual release of elements, so that nutrients are available with a rhythm that ensures the optimal absorption by the plant.
- Decrease of nitrogen loss for leaching.
- Improved soil structure.
- Increase yield and quality.
- High efficiency and effectiveness of the fertilization.
- Reduced erosion.
- Increased water retention capacity of soil and enhanced resistance against drought and lower irrigation.

- Pellets 3 mm diameter
- Low moisture
- Quick disintegration at the plot
- Homogeneous spreading, even at 24 m



# Sonar



### PACKAGING

Available in bags of 25 kg and 550 kg.



ITALPOLLINA S.p.A.  
Località Casalmenini, 10  
37010 Rivoli Veronese (VR) Italia  
Tel +39.045.6205511  
info@italpollina.com  
www.italpollina.com

Follow us   