



# *INITIO* BIRD PROTECT

A good start combined with bird protection

Version | January 2024

SEEDING  
THE FUTURE  
SINCE 1856





# INITIO BIRD PROTECT – Your benefits!



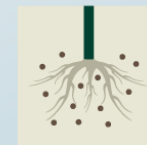
**Secure germination**  
Improves regeneration capability and tolerance towards cold stress



**Better root development**  
Enhances root and fine root development for a vigorous growth



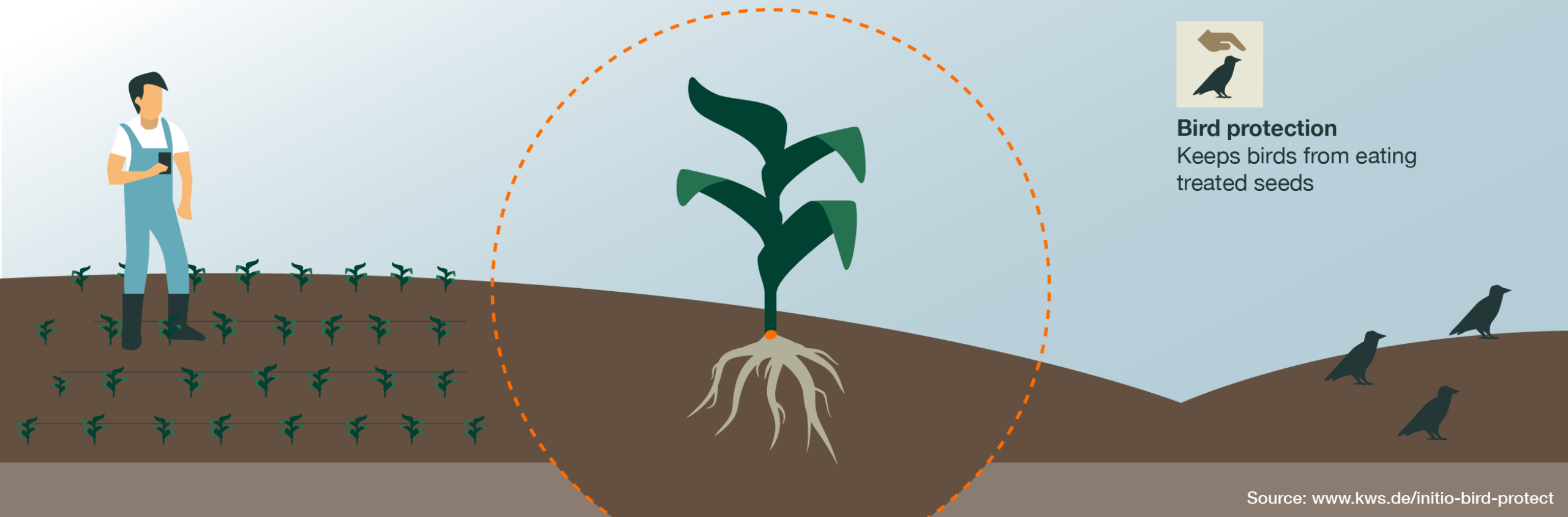
**Rigorous and robust plants**  
Improves nutrient uptake and biomass build-up in the early growth stage



**Better phosphate uptake**  
Unlocks phosphor in the soil, making it available at a soil temperature of 3°C



**Bird protection**  
Keeps birds from eating treated seeds



# The Zinc + Manganese combination is the foundation of *INITIO*



## Zinc

- Deficiency influence on early growth (4-6 leaves) stage known
- often locked in soil by excess phosphorous in soil (antagonistic effect)
- Positive effect also on high pH-value soils

## Manganese

- Early deficiency (esp. under drought conditions) often not recognized
- Occurs frequent in dry conditions or high pH soils

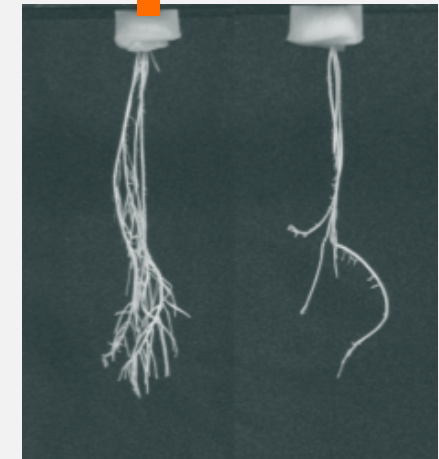
Both are involved in **energy turnover** of plant cells

**Zn + Mn**



**INITIO**  
**BIRD PROTECT**

**control**

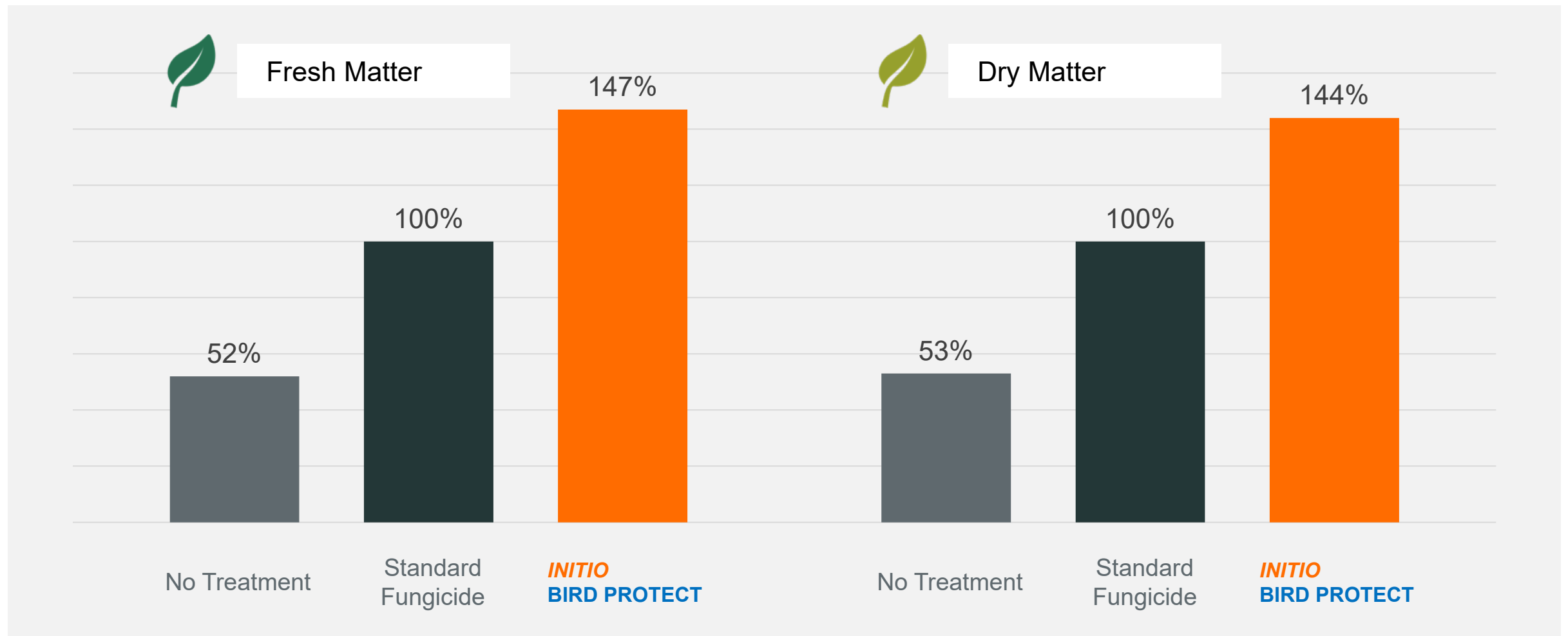


**INITIO**  
**BIRD PROTECT**

**control**

Control: Standard fungicide, Micronutrients (Zn/Mn), seaweed extracts, and plant growth-promoting bacteria as cold-stress protectants in maize. Klara Bradáčová<sup>1</sup>, Nino F. Weber<sup>1</sup>, Narges Morad-Talab<sup>1</sup>, Mahmood Asim<sup>1</sup>, Muhammad Imran<sup>2</sup>, Markus Weinmann<sup>1</sup> and Guenter Neumann<sup>1</sup> <https://chembioagro.springeropen.com/articles/10.1186/s40538-016-0069-1>

After 14 days on phosphor-lacking soil, *INITIO* BIRD PROTECT shows 47% higher fresh and 44% higher dry matter than the control



KWS greenhouse trial, Sowing date: June 17<sup>th</sup>, 2020, Harvest date: July 2<sup>nd</sup>, 2020, 30 plants harvested, Soil: heavy clay, Average of two varieties: KWS Smaragd & Benedictio KWS, Control = 100%, Control: Standard fungicide



INITIO BIRD PROTECT shows best results in trials, the untreated controls are completely taken by birds whereas IBP keeps standing



No treatment =  
plants were taken  
out by birds



**INITIO**  
**BIRD PROTECT**



**INITIO**  
**BIRD PROTECT**

**INITIO**  
**BIRD PROTECT**

KWS trial Germany 2020, Variety Benedictio KWS, Control: No Treatment



Thank you for your attention.  
In case of any questions, we are happy to help.

KWS SAAT SE & Co. KGaA

SEEDING  
THE FUTURE  
SINCE 1856

