CORN CULTIVATION UNDER PIVOTS.

The use of pivots or linear irrigation systems in corn cultivation has led to a notable increase in productivity. This type of irrigation ensures that plants receive the necessary water evenly and in a timely manner, avoiding water deficits that can affect corn development and reduce yield. With proper management, pivot irrigation helps optimize corn growth, improve grain quality, and ensure more consistent and sustainable harvests.

Benefits of using pivots for corn

1. Guarantees continuous water supply.
2. Optimizes water and energy use.
3. Ensures uniform water distribution.
4. Allows for precise irrigation application.
5. Achieves distribution efficiencies of up to 97%.
6. Ensures germination in more than 95% of cases.
7. Minimizes surface runoff.
8. Reduces labor requirements.
9. Has low maintenance requirements.
10. Facilitates fertigation control.
11. Allows remote control operation.
12. Flexibility in planting, allowing for increased planting density.
13. The only system that allows dry planting.

Why use a Western pivot on corn?

- Clearance height 3.25 m (standard) and 5.02 m (high profile).
- Suitable for slopes of up to 20%.
- High durability (20-30 years depending on water quality).
- Permapipe™ is the option for fertilizer application and use of corrosive water.
- Length without structural limitations.
- Simple, low-maintenance control panels.
- Quick and easy assembly.
- Compatible with advanced irrigation control and monitoring systems.
- Specialized technical service focused on solutions.
- 100% electric operation, no waste.

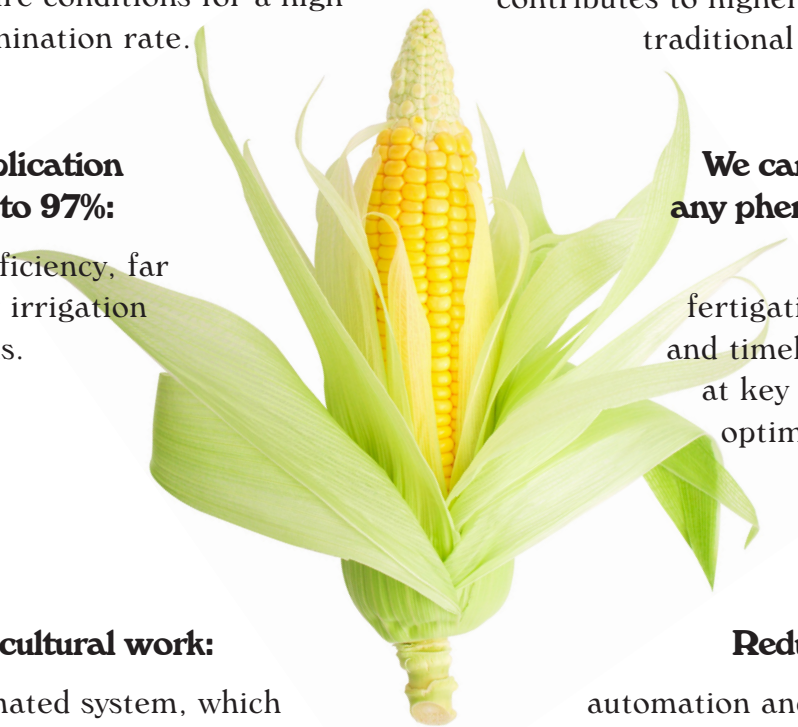
FACTS!

Ensures germination in more than 95% of cases:

uniform, controlled watering guarantees optimal moisture conditions for a high germination rate.

Increases yield by more than 30%:

the precise application of water and nutrients during critical stages of cultivation contributes to higher yields compared to traditional methods.



Irrigation application efficiency up to 97%:

high water use efficiency, far exceeding other irrigation methods.

We can apply fertilizer at any phenological stage of the crop:

fertigation allows for precise and timely nutrition of the crop at key phenological stages, optimizing nutrient use.

Reduces agricultural work:

it is a highly automated system, which reduces manual intervention.

Reduces labor:

automation and remote control lead to a reduction in labor and time.

Pivot fertigation in corn

- Aerial distribution of nutrients in advanced stages, eliminating manual applications.
- Precision nutrition according to the plant's physiological demand.
- Nutrient recovery efficiency up to 90%.
- 30% savings on fertilizer.
- Reduction in operating costs through automation and remote monitoring.

Western
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