

DELIVERING VALUE

**DRIP AS A DELIVERY
SYSTEM FOR SUGARCANE**

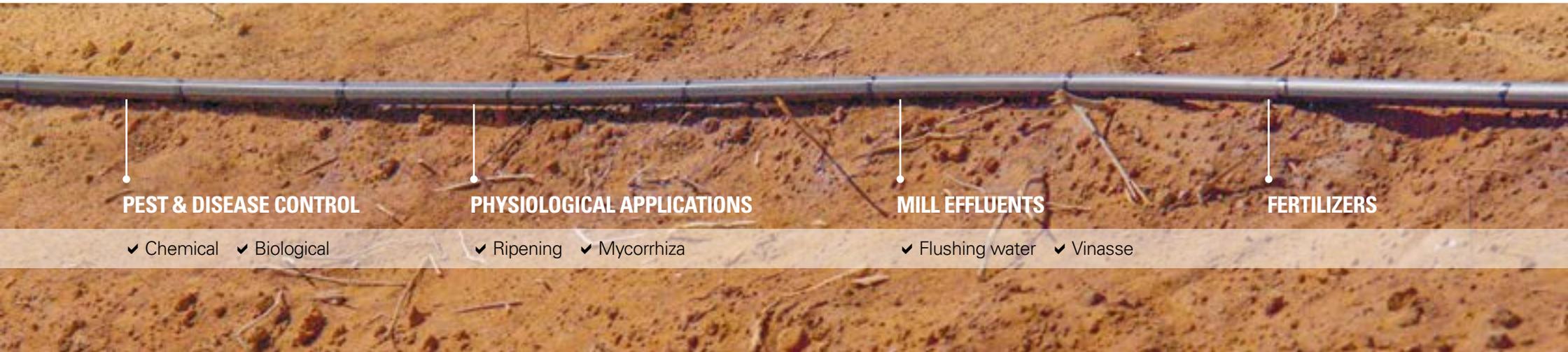


MUCH MORE THAN IRRIGATION

A drip irrigation system is a platform for applying diverse substances that enable fast and effective crop treatment, while significantly lowering farm operation costs.



APPLICATIONS



PEST & DISEASE CONTROL

- ✓ Chemical
- ✓ Biological

PHYSIOLOGICAL APPLICATIONS

- ✓ Ripening
- ✓ Mycorrhiza

MILL EFFLUENTS

- ✓ Flushing water
- ✓ Vinasse

FERTILIZERS

BENEFITS

- Reduced spraying → lower operational costs
- Faster reaction time
- Less dependency on weather (e.g. wind, rain, radiation)
- Easier accessibility to every infield plant – at any time and at any crop development stage
- Lower environmental impact – less aerial drifting, less leaching, less runoff – by placing all substances where needed

WANT TO KNOW MORE ABOUT DRIP AS A DELIVERY SYSTEM?

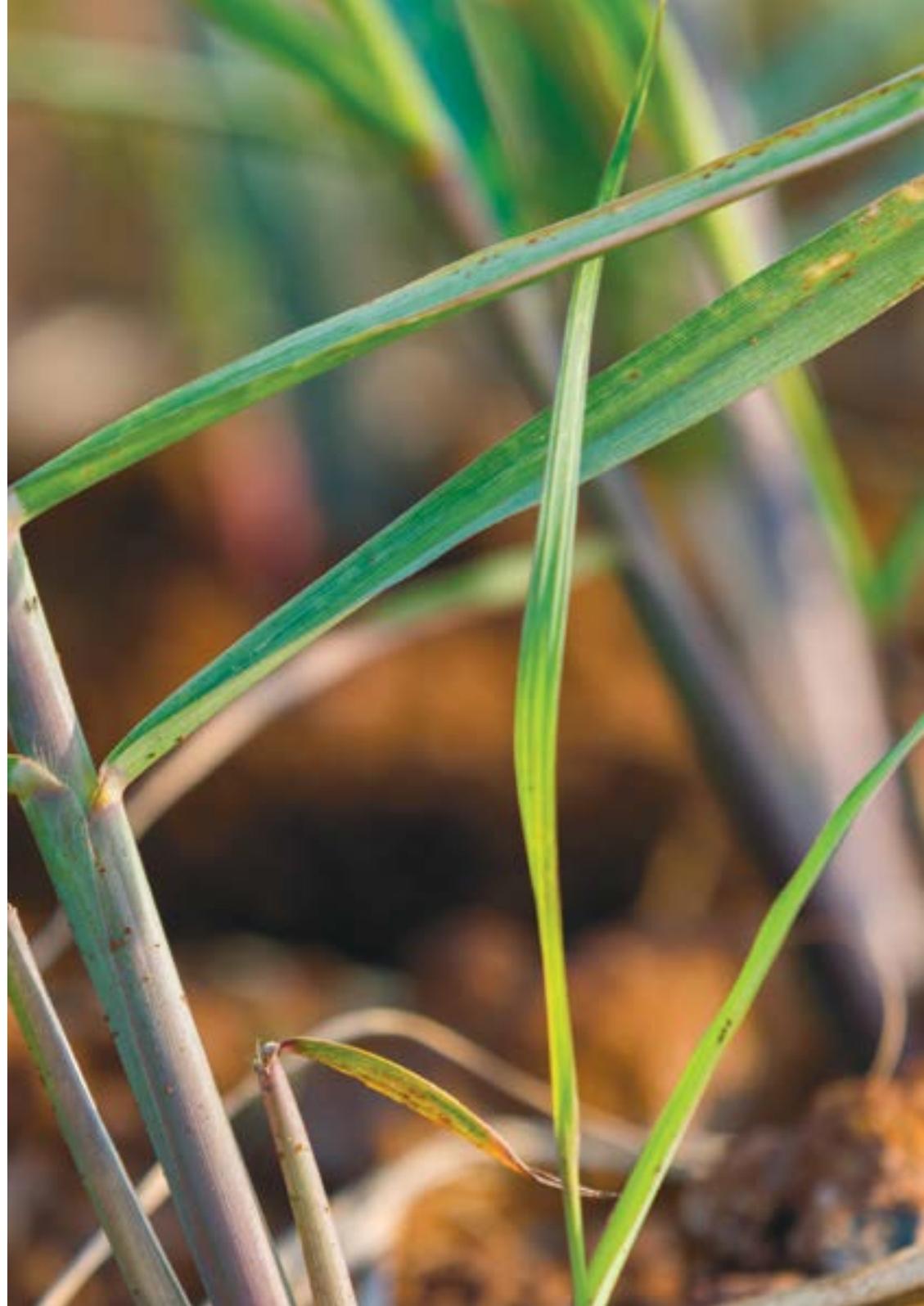
Contact our experts:
WWW.NETAFIM.COM

Look for
us at:



PEST & DISEASE CONTROL

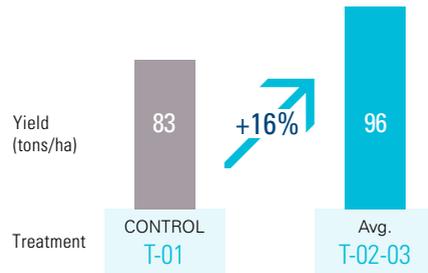
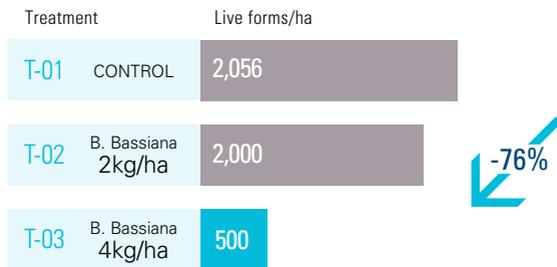
Fast and efficient pest management, while eliminating the need for spraying



SIGNIFICANT REDUCTION IN GIANT BORER

DRIP APPLICATION OF BEAUVERIA BASSIANA

↙ **76%** REDUCTION IN GIANT BORER
↗ **16%** YIELD INCREASE

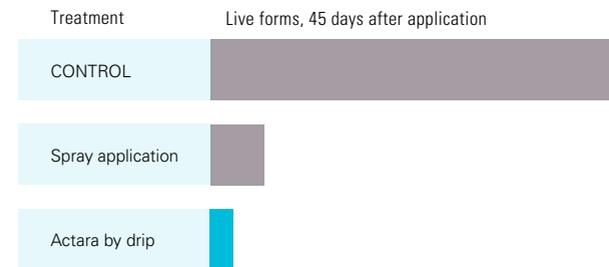


Location: Seresta Plant, Teotônio Vilela, State of Alagoas, Brazil
Years: 2008-2011

DESTRUCTION OF MAHANARVA FIMBRIOLATA (CIGARRINHA DA RAIZ), WHILE ELIMINATING NEGATIVE EFFECTS OF SPRAYING

Drip application of Actara® (Tiametoxam) is as effective against Mahanarva fimbriolata as aerial spray application.

SAVES **15** \$/HA

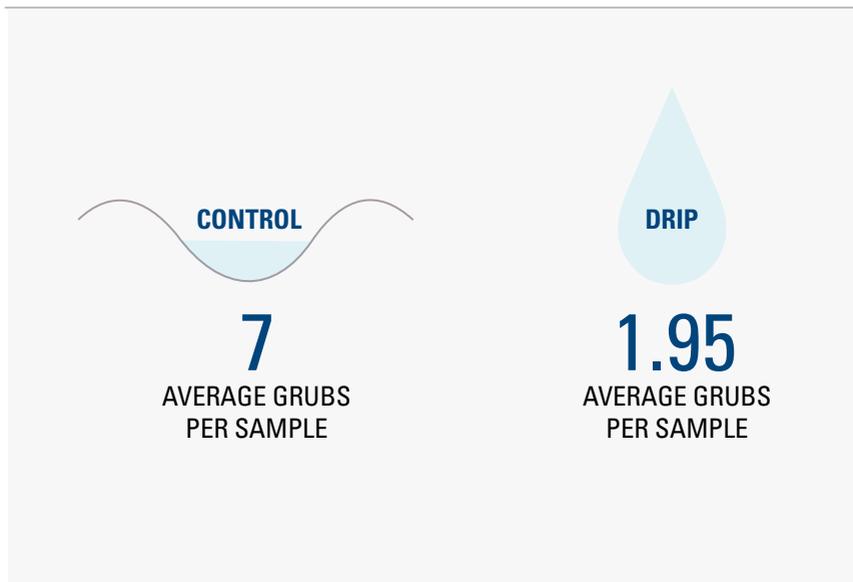


Significant savings in manpower and number of spray applications over the year

Location: Mineiros do Tietê, São Paulo, State of São Paulo, Brazil
Years: 2009-2010

DRAMATIC DECREASE IN WHITE GRUB (COCHLIOTIS MELOLONTHOIDES) LARVAE

Drip application of Attaken significantly lowered the number of White Grubs compared to application by other irrigation methods.



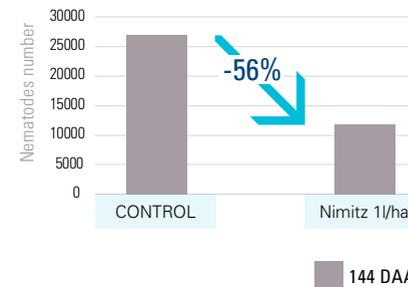
Location: TPC Sugar Estate, Tanzania
Years: 2012-2013

HUGE DROP IN NEMATODE INFESTATION

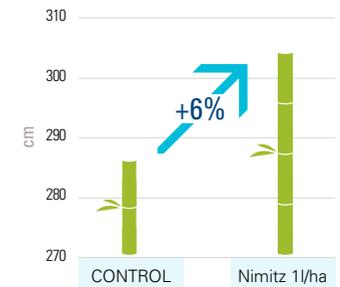
↘ **56%** DECREASE IN NUMBER OF NEMATODES

↗ **6%** INCREASE IN PLANT HEIGHT **10%** YIELD INCREASE

Number of nematodes (Pratylenchus zeae) in 50g of roots



Plant height 144 days after planting (DAP)



Location: Santa Fé, Nova Europa, State of São Paulo, Brazil
Year: 2014

PHYSIOLOGICAL APPLICATIONS

Precise, fast and cost-effective
application of growth stimulants and
ripening substances



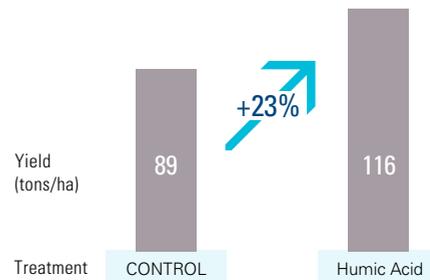
HUMIC ACID DRIP APPLICATION – BIGGER ROOTS, BIGGER PLANTS, AND BIGGER YIELDS

HUMIC ACID
VIA DRIP

↑ 23% YIELD INCREASE



Humic acid treatment impact on sugarcane yield



Location: Vale do Sol, State of São Paulo, Brazil
Year: 2009

MYCORRHIZA TREATMENT – GREATER SUGAR CONTENT AND YIELDS

MYCORRHIZA
TREATMENT

+ 1,368 KG SUGAR/HA

Sugar content

Treatment	Kg/ton
CONTROL	82
Mycorrhiza	90

Sugar yield

Treatment	Kg/ha
CONTROL	11,383
Mycorrhiza	12,751



Location: Salvador, State of Bahia, Brazil
Year: 2011

VINASSE APPLIED VIA DRIP – ENVIRONMENTALLY-FRIENDLY SUGARCANE-GROWING TECHNIQUE

MILL EFFLUENTS

Environmentally-friendly and cost-efficient method to apply various mill by-products



SUSTAINABLE & ENVIRONMENTALLY-FRIENDLY SOLUTION FOR VINASSE SPREADING

DECREASE IN CHEMICAL FERTILIZER (K) USE

GREATER LABOR AND ENERGY SAVINGS

Netafim's vinasse practice enables application of up to 150 m³/ha of vinasse all year round. This creates an equilibrium between the vinasse a field produces and the vinasse it receives in return.

Disclaimer and clarification

The information presented in this review is only informative, and cannot be considered as a recommendation. To inject any substance through a drip system, one must ensure that:

- the substance is registered locally as authorized for use through drip
- the substance and dosage are approved by Netafim

Before each application, it is advised to contact your local Netafim representative for consultation.



GROW MORE CANE

WWW.NETAFIM.COM