

Biology Booster

Zytonic



**Higher Yields
Improved Soil Health
Sustainable Farming**

Zydex
Innovating for Sustainability



**A POWERFUL
BIOLOGY BOOSTER TECHNOLOGY
FOR AN ACTIVE ROOT ZONE &
ROBUST YIELDS**

Conventional high intensity farming has led to the destruction of natural soil ecosystems. Such a decline in the soil biology leads to unsustainable yields and poor soil health.

BIO FARMING WITH BIOLOGY BOOSTER

Zytonic Biology Booster is a proprietary soil activating technology that improves soil porosity and water holding capacity, thereby promoting the proliferation of natural biodiversity in the soil. This results in a robust soil ecology that boosts nutrient uptake and crop growth, resulting in benefits of improved crop output & reduced chemical input.

HOW ZYTONIC TECHNOLOGY WORKS

- Makes soil soft and porous and improves water holding capacity of soil. This leads to higher plant survival in drought conditions.
- Substantially larger and denser root zone formation
- Promotes exponential growth of soil microbial population
- Higher microbial population and larger root zone leads to an active and healthy rhizosphere
- More bio-mass returns to the soil which improves soil organic content
- An active soil biology results in consistent & optimum uptake of macro and micro nutrients
- Improved nutritional value and vigour for healthier and disease resistant plants

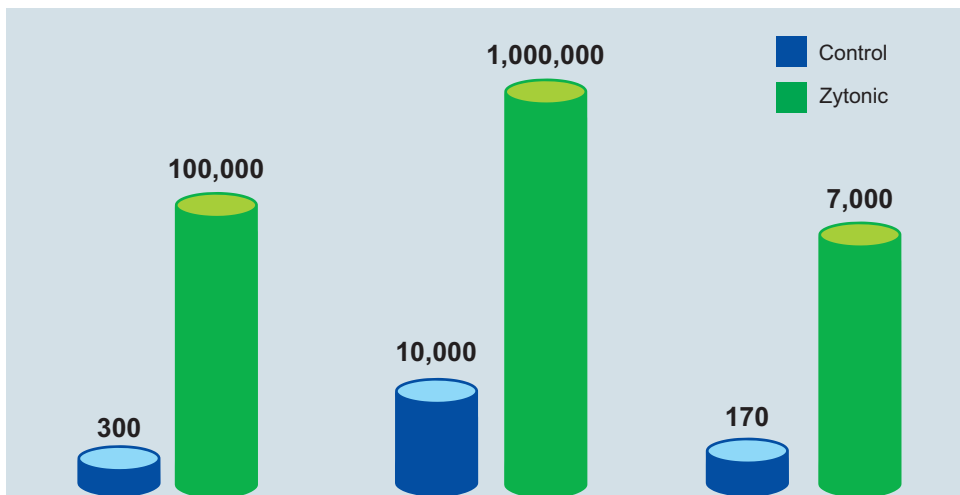


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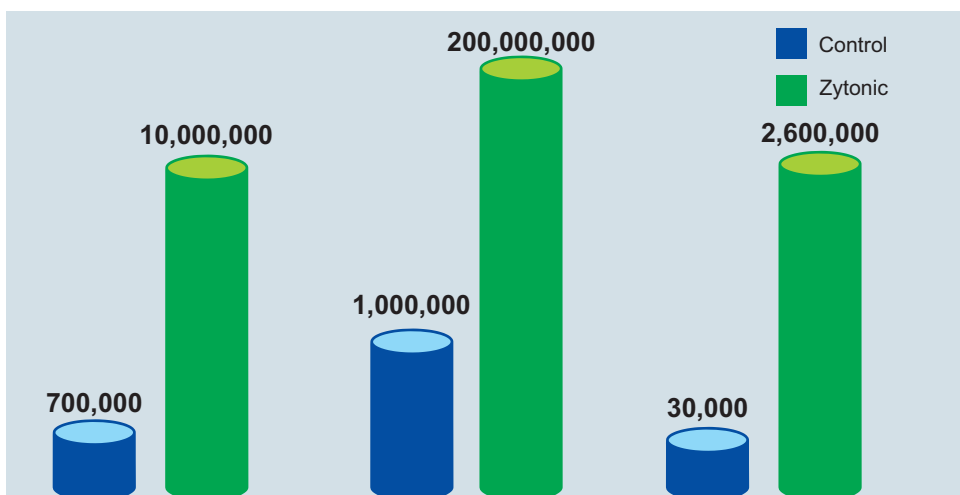
BOOST IN SOIL FUNGAL POPULATION

Soil samples were treated with Zytonic in 3 different locations and the growth in Fungal population was found to be up to 300 times more.



BOOST IN SOIL BACTERIAL POPULATION

Soil samples were treated with Zytonic in 3 different locations and the growth in Bacterial population was found to be up to 200 times more.



*Graphs not to scale. For illustrative purpose only.



Zytonic[®]

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END BENEFITS

1. Increased yield (15-50%)
2. High produce quality: Size, Nutritional Content & Shelf Life
3. Reduction in irrigation (20-30%)
4. Reduction in chemical fertilizers (50-100%)
5. Reduction in pesticide consumption (20-40%)



Zytonic^{leaf}

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VISIBLE EFFECTS

1. Higher % germination & plant survival
2. Quick response time (4-10 Days)
3. Green to dark green leaves & Large leaf size
4. Larger root zone
5. Increased flowering & retention
6. Softer Soil



Zytonic

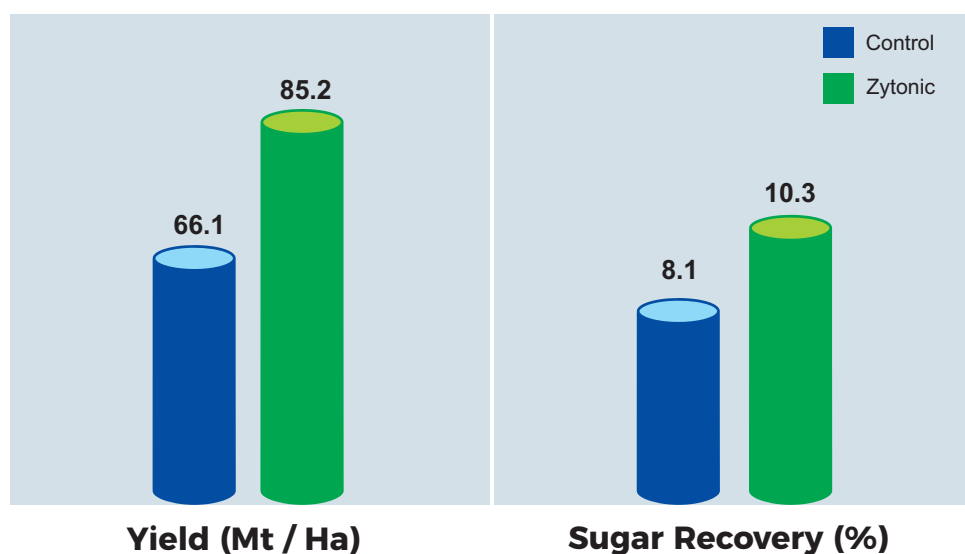
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PROVEN BY SCIENCE

Agriculture Institutional Reports

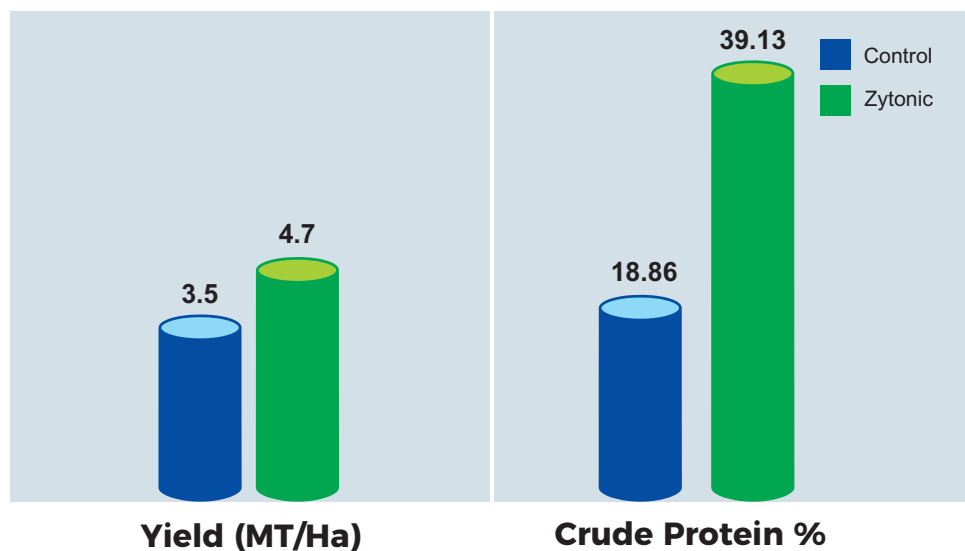
Sugarcane:

Increased Yield by 29%, Pol % by 21% and Sugar Recovery by 28%.



Soybean:

Increased Yield by 34%, Crude Oil content by 1% and Crude Protein by 107%.



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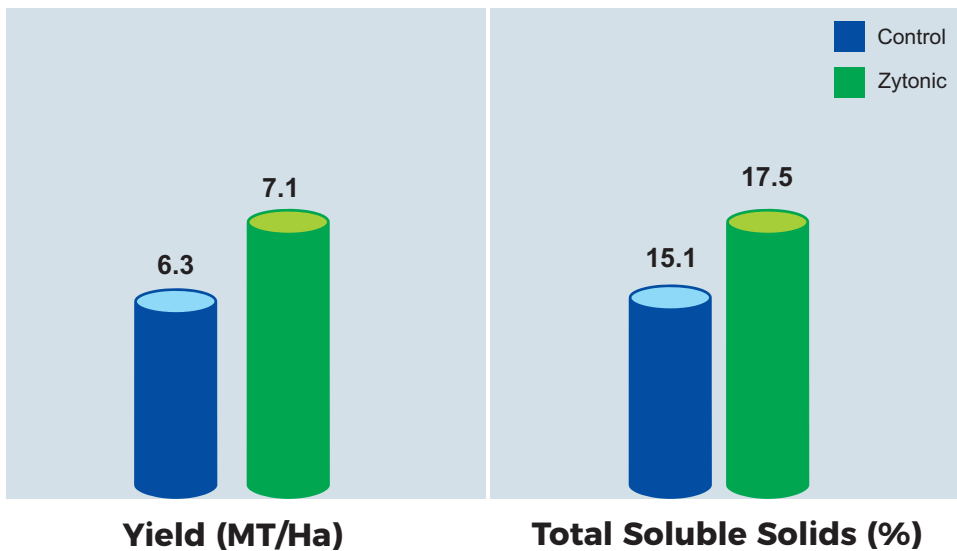
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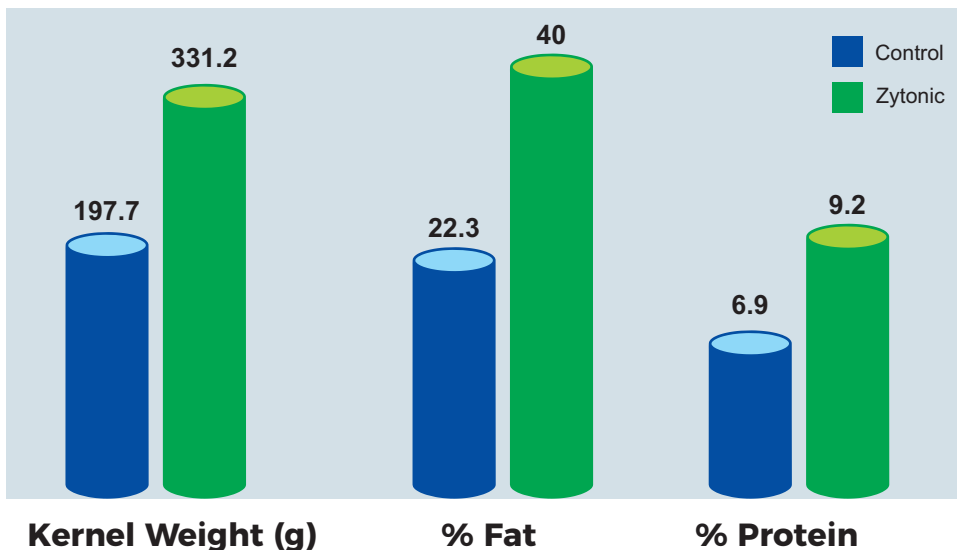
Grapes:

Increased Yield by 12%, Bunch Weight by 11%
and Total Soluble Solids (TSS) by 16%.



Coconut:

Increased Volume of Water by 58%, Kernel Weight by 67%
and Calcium Content by 257%, Fat Content by 79%
& Protein Content by 33%



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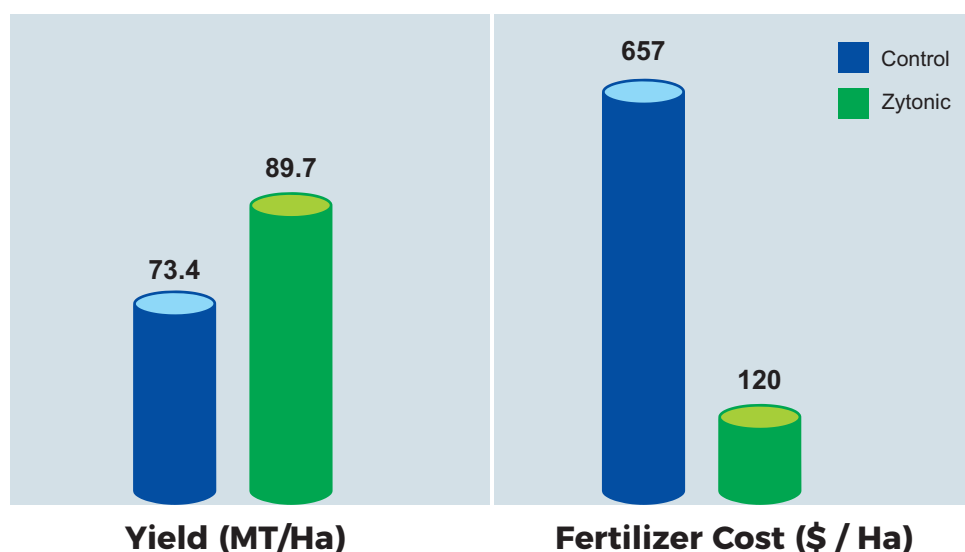
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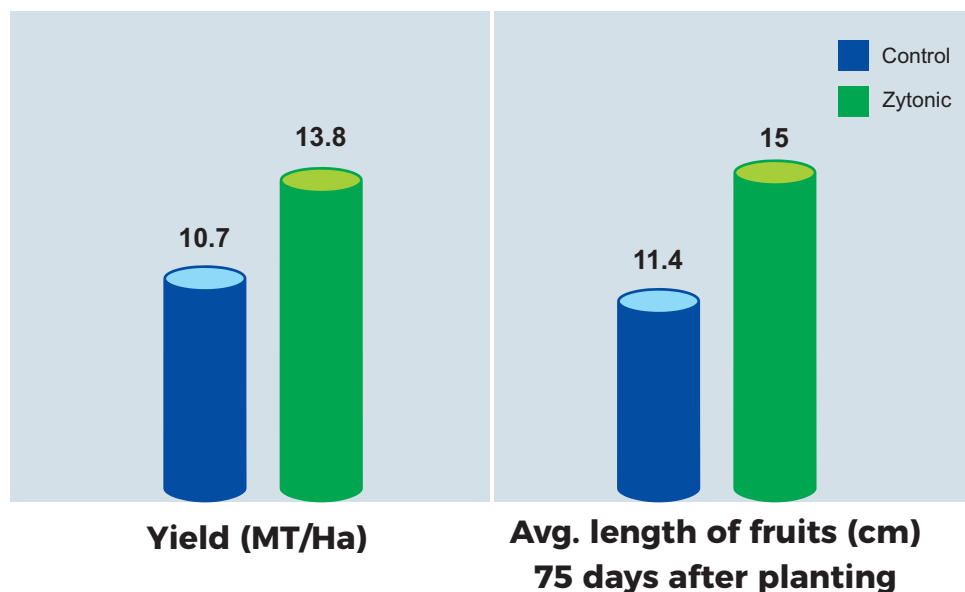
Tomato:

Increased Yield by 22% and Improved Shelf Life with Zytonic with Decreased Fertilizer Cost by 81%.



Chilli:

Increased Yield by 29% and Fruit Length by 32%.



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VALIDATED BY FARMERS

Grower Experience

- **Eggplant (India):** Germination rate increased from 65% to 90% with yield increase of 30%
- **Cotton (India):** Flower retention improved significantly with yield increase of 25%
- **Wheat (India):** Sweetness, protein and calcium content increased with yield increase of 15%
- **Onion (Ecuador):** Stem thickness increased with better taste and yield increase of 20%
- **Tomato (Ecuador):** Shelf Life improved with 22% yield increase



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APPLICATION GUIDELINES

Application with Water (Dissolve Zytonic with water in 1:100 ratio)

- Sprinkler/Rain gun application
- Fertigation through Central Pivot system
- Drenching through knapsack sprayer (Manual / Power)
- Application via flood irrigation water
- Foliar Spray application

Dry Application on Soil (followed by Irrigation)

- Soil application before rotovation (broadcasting, spreader, duster)
- Soil surface application followed by seed sowing
- Soil application at the time of seed sowing
- Mix with soil / manure and broadcast

Composting with Zytonic

1. Dissolve Zytonic in water (1:100) and spray on organic manure/compost
2. Cover & store in a shaded area for 2-3 weeks
3. Broadcast the enriched compost



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RECOMMENDED DOSAGE

Low Input Crops :

Cover crops, Paddy, Soybean, Wheat, Maize, Pulses & other Cereals.

Basal Dose : 18 kg / Ha

Top Dressing Dose : 10 kg / Ha. Apply @ 5 kg / Ha, two times, each with a gap of 20-25 days.

Short Duration (3-6 Months) Crops

Vegetables, Spices, Medical & Aromatic Crops,
Tobacco, Sugar beet and other field Crops.

Basal Dose : 35 kg / Ha

Top Dressing Dose : 25 kg / Ha. Apply @ 5 kg / Ha, five times, each with a gap of 15-25 days.

Long Duration (8-12 Months) / Nutrient Exhaustive Crops

Sugarcane, Cotton, Cassava, Yam & others.

Basal Dose : 50 kg / Ha

Top Dressing Dose : 35 kg / Ha. Apply @ 5 kg / Ha, seven times, each with a gap of 15-25 days

Fruit Trees, Floriculture & Plantation Orchards

Basal Dose: 35 kg / Ha

Top Dressing Dose : 80 kg / Ha. Apply @ 10 kg / Ha, eight times, each with a gap of 15-25 days

Nursery Application

2 kg Zytonic for 250 sq. m.

Foliar Application

5 kg / Ha every 30 days till flowering (can be mixed with pesticide or other foliar products)

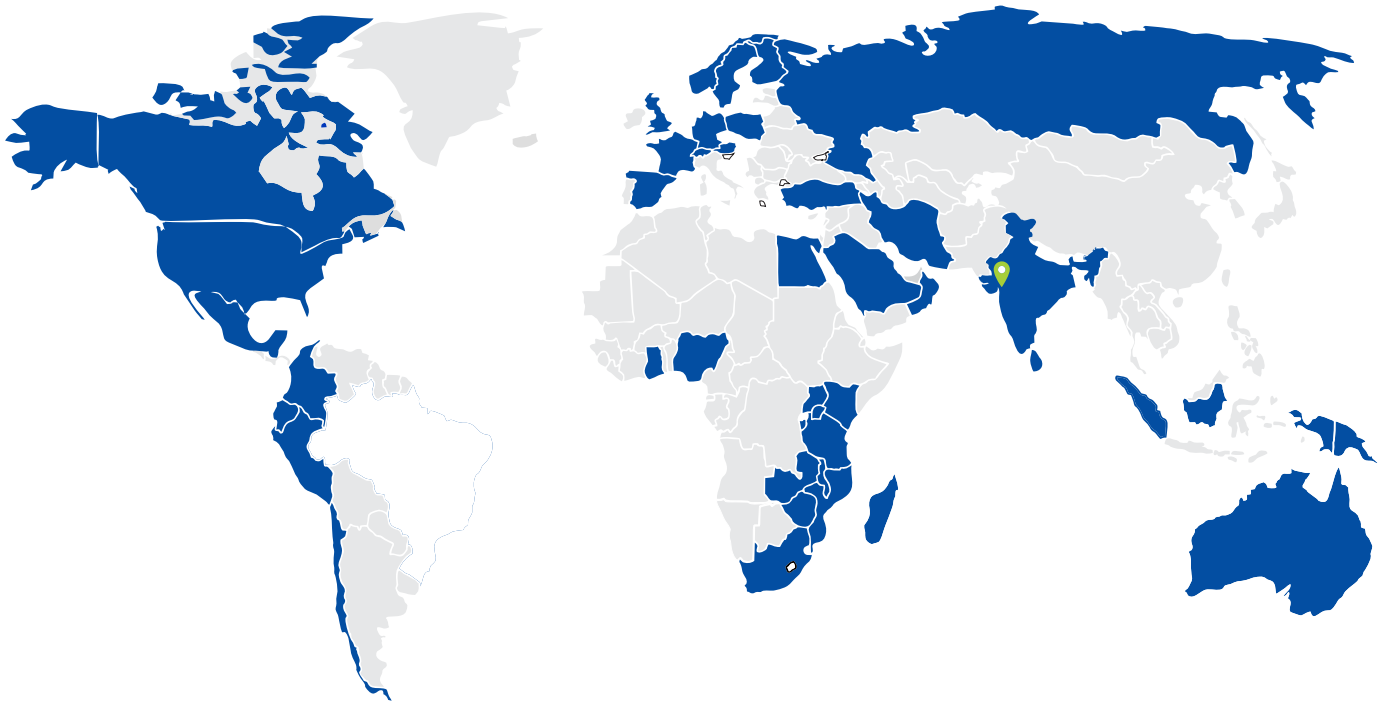
Note:

- Zytonic is compatible for application with all chemical fertilizers, pesticides & fungicides.
- Prepare Zytonic solution (1:100) before mixing with other products.





Certified Company



CORPORATE OFFICE

Vadodara, Gujarat, India



GLOBAL PRESENCE

In over 37 countries

Manufactured & Marketed by

Zydex Industries Pvt. Ltd.

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