SRR FadeevAgro India

Nourishing the future…

3rd February 2025

ABC Seed Treatment

❑ How does ABC Seed Treatment help?

- Higher germination rate with enhanced vigour
- Faster and stronger root development
- Plants are more tolerant to environmental stresses
- Enhanced nutrient supply to the plants
- Better protection from diseases
- Increased yield
- Decreased risks of crop-loss due to unfavourable conditions

❑ Why use ABC Seed Treatment?

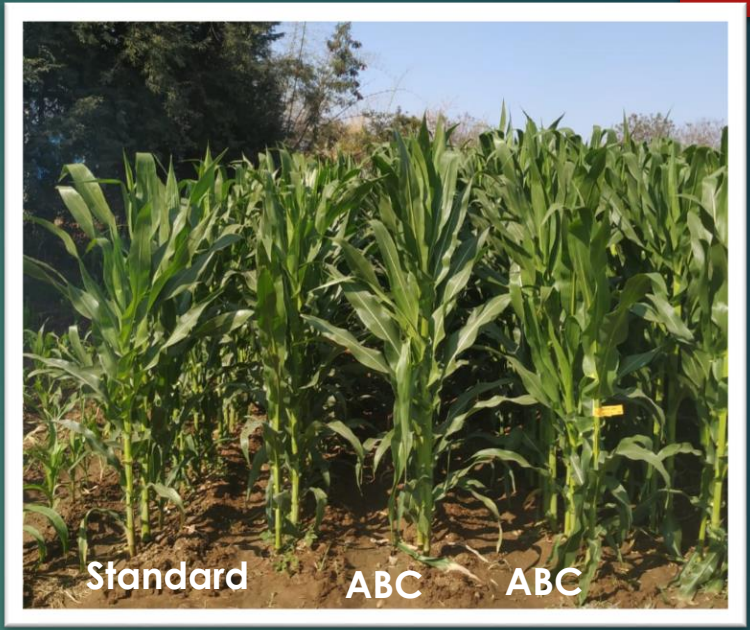
- Eco-friendly, universal and efficient seed coating molecules
- Applicable and suitable for any seed
- Compatible with other chemicals and plant protection products used in standard seed treatment
- Customized for the seed type
- Water soluble, can be mixed easily along with other seed treatment products
- Safe for the user, seeds and the environment
- Sustainable and cost effective solution for the seed companies to provide high quality seeds with better nutrition

Field Trial Results

FIELD CROPS

Trial @ Elluru JKAL production field

MAIZE



Standard Treated
820gms wt.

ABC Treated
890gms wt.

Trial @Hyderabad Trimurti Plant Sciences R&D fields

Multi location trials across 5 states carried out by Gubba Seeds (Aug 2022-Jan 2023)

Raw seeds

Wt of 10 cobs 2160gms

Standard treatment

Wt of 10 cobs 2150gms

ABC Treatment

Wt of 10 cobs 2440gms

@Varanasi

MAIZE

ABC STANDARD ABC LITE CHEMICAL

On going trial @ Warangal, Nuziveedu R&D fields

BAJRA

Standard treatment

ABC Treatment

Trial @Hyderabad Trimurti Plant Sciences R&D fields

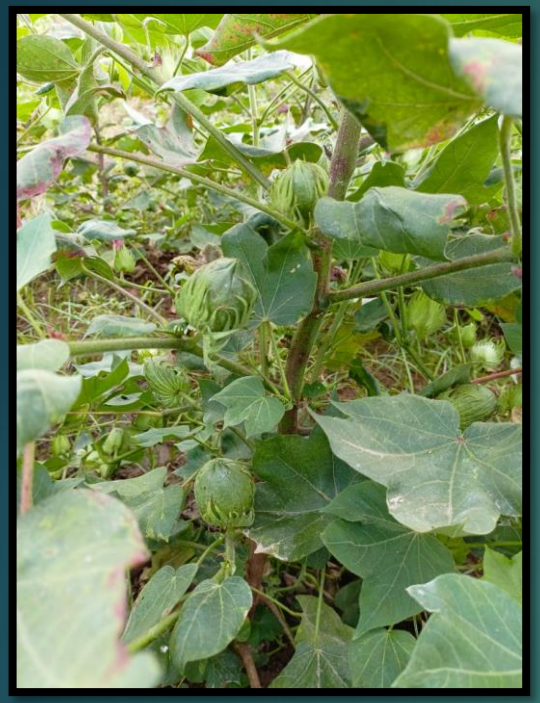
COTTON

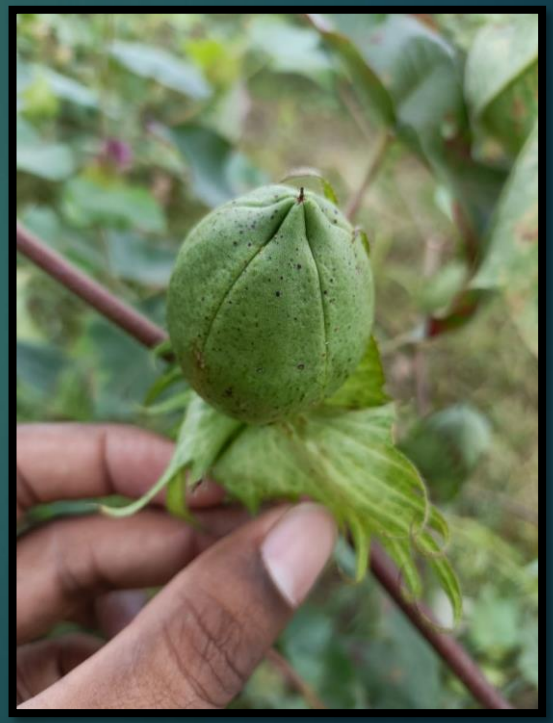
Standard treatment

ABC Treatment

Trial @Hyderabad, Bioseeds R&D fields

ABC Treatment results in bigger cotton bolls





Trial @Hyderabad, Bioseeds R&D fields

RICE

ABC1- ABC Standard
ABC2- ABC Standard Plus

Trial @Hyderabad Trimurti Plant Sciences R&D fields

54 days old

Hybrid #1

Raw Chemical ABC1 ABC2

Hybrid #2

Raw Chemical ABC1 ABC2 Chemical

ABC1- ABC Standard
ABC2- ABC Standard Plus

Trial @Hyderabad Trimurti Plant Sciences R&D fields

RICE

Trial @ Karimnagar JKAL production fields

RICE

45 days

Untreated Chemical ABC STANDARD Untreated Chemical ABC LITE

ABC STANDARD- Hybrid paddy
ABC LITE- Varietal paddy

Trial @Hyderabad, Bioseeds R&D fields

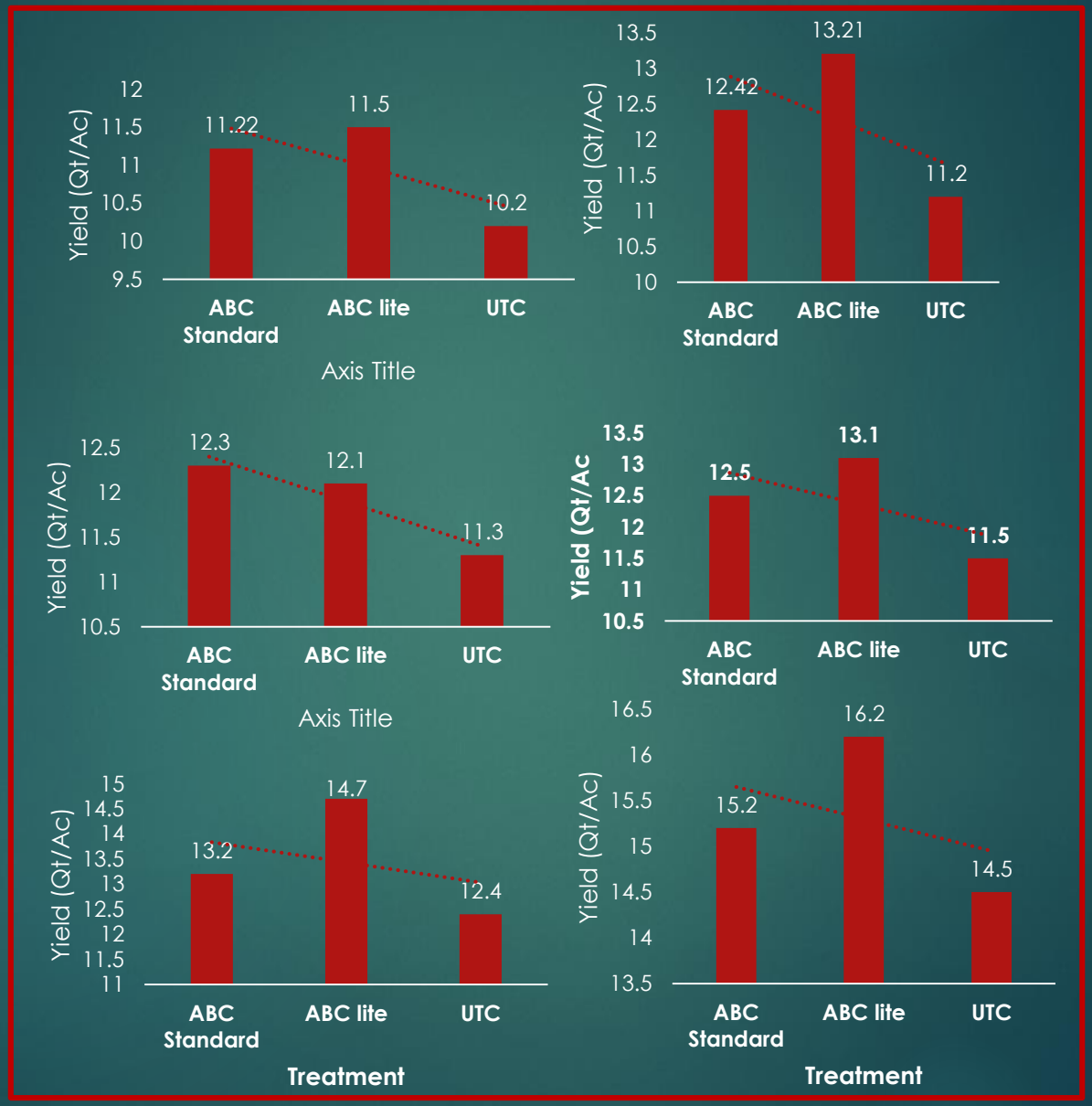
WHEAT

20 days

ABC LITE ABC STANDARD Control

Field trial @ Aurangabad, Nuziveedu R&D fields Nov 2023- Apr 2024

8-18% Increased yield with ABC SEED treatment



Field trial @ Aurangabad, Nuziveedu R&D fields Nov 2023- Apr 2024

MUSTARD

36 days

Field trial @ Jaipur, Rallies India R&D fields Nov 2024- Mar 2025

VEGETABLE CROPS

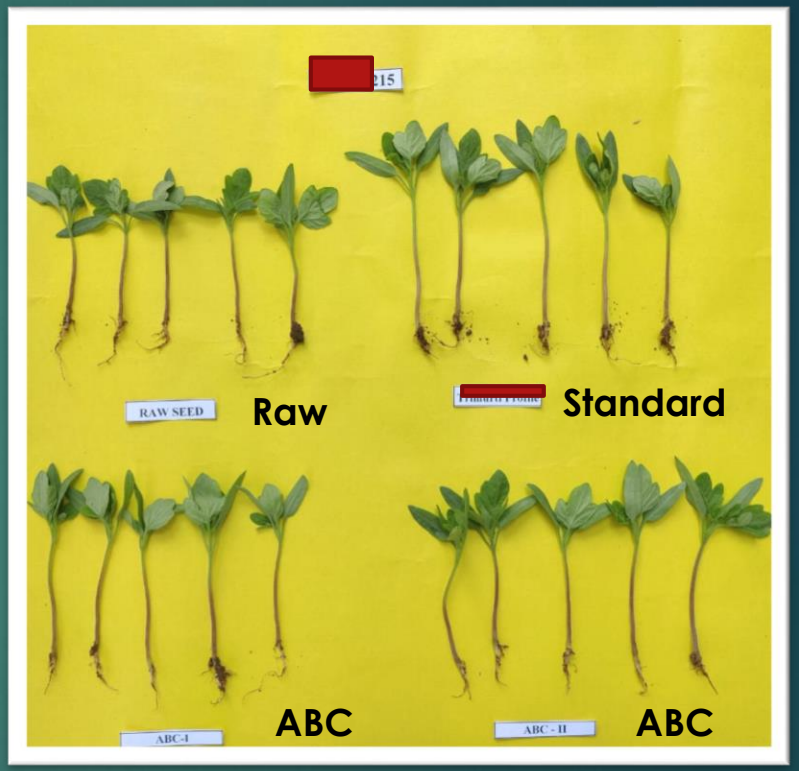
OKRA

Control

ABC Standard Plus

Trial @ Aurangabad, Ajeet Seeds R&D fields

TOMATO



Enhanced germination with ABC SEED treatment

Trial @Hyderabad Trimurti Plant Sciences R&D fields

TOMATO

Standard

ABC

Increased flowering with ABC SEED treatment

Trial @Hyderabad Trimurti Plant Sciences R&D fields

Tomato
5-50% yield increase

Tomato: (December 2019-April 2020)

- **Vigour:** ABC treated plants have more vigor as compared to the control.
- **Pesticides:** No pesticides were used for ABC treated crop.
- **Yield:** There are 17 genotypes were tested for the yield and yield related parameters. The yield for the ABC treated entry is as follows.
  - Two genotypes recorded yield increase more than 50 % as compared to respective control
  - Four genotypes recorded increase in yield more than 30 % as compared to respective control
  - One genotype recorded 12 % yield increase as compared to control
  - Two genotypes recorded 5 % yield increase as compared to respective control
  - Three genotypes recorded similar yield in both ABC Treated and control entry

TRIMURTI
Plant Sciences

To Whomsoever it May Concern

"Results from the pilot study with ABC technology in Hyderabad, India"

Trimurti Plant Sciences, Hyderabad is carrying out pilot field trials to test the effect of ABC technology of SRR Fadeev Agro India Pvt Ltd on tomato, okra, rice and watermelon.

The results from the ongoing study is presented below:

Tomato: (December 2019-April 2020)

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- **Pesticides:** No pesticides were used for ABC treated crop.
- **Yield:** There are 17 genotypes were tested for the yield and yield related parameters. The yield for the ABC treated entry is as follows.
  - Two genotypes recorded yield increase more than 50 % as compared to respective control
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  - Three genotypes recorded similar yield in both ABC Treated and control entry

- **Germination: (for another set of tomato crop)**

  Control: 72-89 % (range for different genotypes)
  ABC: 72-91 % (range for different genotypes)
  Note: For respective entries the improvement in germination is 1-4 %, which is not a significant difference. But there is significant difference in terms of plant vigour for the ABC treated entry.

Rice: (December 2019- on- going)

- ABC treatment is ongoing for 3 different rice seeds producing fields.
- ABC treated plants look nourished and healthy with good seeds setting.

TRIMURTI PLANT SCIENCES PVT. LTD. Hyderabad

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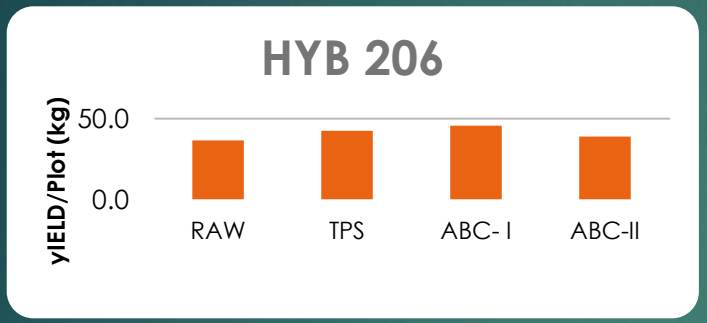
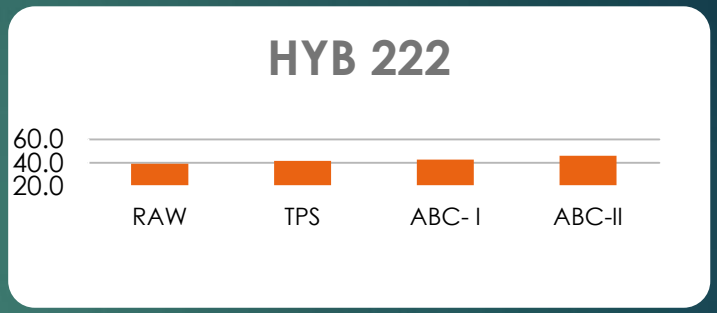
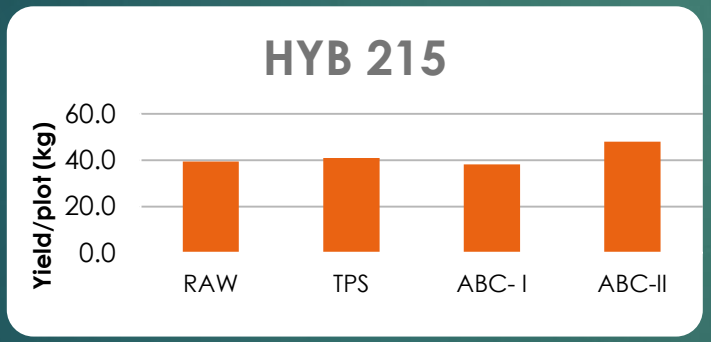
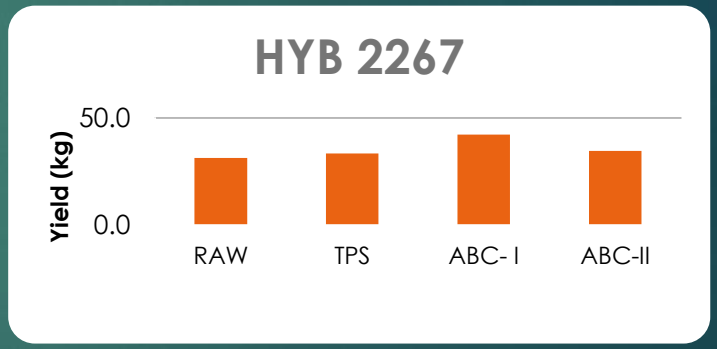
Multiple Tomato hybrids

Increased yield with ABC SEED treatment









Trial @Hyderabad Trimurti Plant Sciences R&D fields

TOMATO

Control

Bioseeds

ABC STANDARD

Trial @Hyderabad, Bioseeds R&D fields

TOMATO

Increased flowering and fruiting with ABC SEED treatment

Trial @Hyderabad, Bioseeds R&D fields

TOMATO

Control

ABC Standard

Trial @Bangalore, Indo American Hybrid Seeds R&D nursery

TOMATO

After ABC Seed Treatment

CONTROL

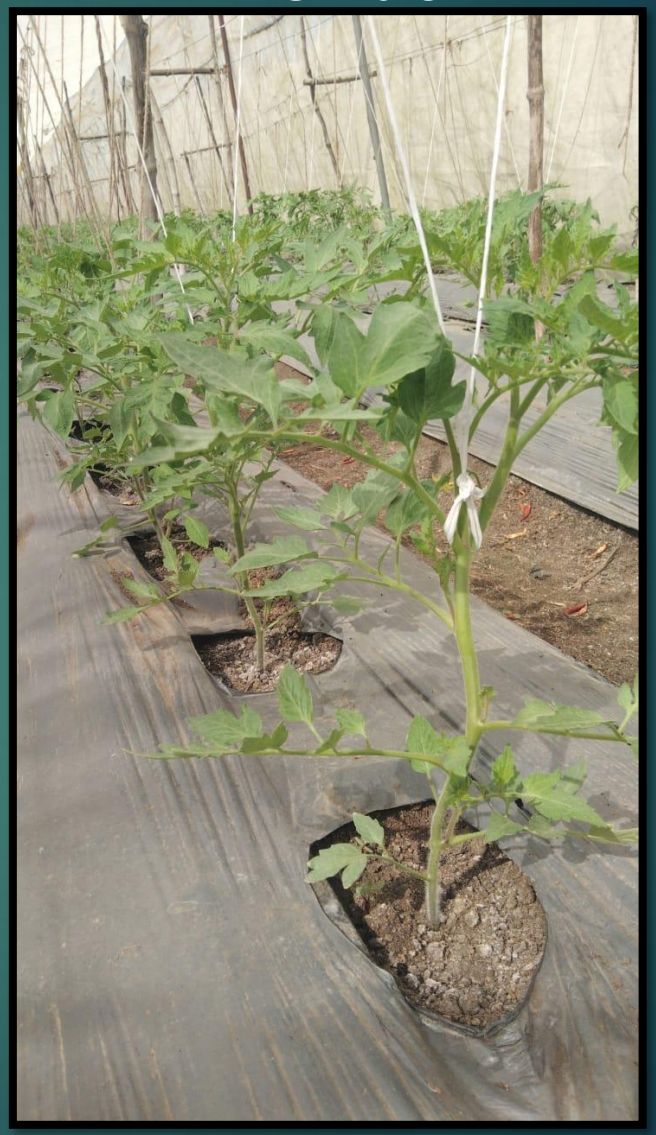
ABC

Trial @ Jalna, JKAL production field

After ABC Nursery Spray

Control Male

ABC Male



Trial @ Jalna, JKAL production field

After ABC Nursery Spray

Control Female

ABC Female

Trial @ Jalna, JKAL production field

Multi location trials across 5 states carried out by Gubba Seeds (Aug 2022-Mar 2023)

CHILLI

Control ABC Standard

ABC Standard Plus Control

Trial @Hyderabad Trimurti Plant Sciences R&D fields

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