



With NEB

No NEB

NEW TECHNOLOGY

1-2 TONS MORE YIELD/HA



To achieve optimal yields, optimal crop health is required.

Optimal health is not the absence of disease. Optimal crop health requires healthy soil.

Plants have a strategy to build healthy soil. Plants produce natural compounds called root exudates, that are released through their roots into the soil.

Root exudates are complex compounds that suppress harmful bacteria and fungi in the soil¹, while at the same time increasing the beneficial bacteria and fungi². Root exudates create healthy soil.

Root exudates are the subject of intense scientific study world-wide because they offer impressive soil and plant benefits³.

Agmor Inc invested over eighteen years studying plant root exudates. As a result of our extensive research, we have created a highly effective, plant-based product under the tradename “NEB.”

For more information, contact us at info@rootexudates.com

1. Rhizosphere Interactions: Root Exudates, Microbes and Microbial Communities, XF Huang, JM Chaparro, et al, Botany, Vol 92, 2014
2. Root Exudation and Rhizosphere Biology, TS Walker, H Pal Bais, Grotewold, JM Vivanco, Plant Physiology, Vol 132, 2003
3. Root Exudates: The Hidden Part of Plant Defense, Ulrike Baetz and Enrico Martinoia, Trends in Plant Science, Feb 2014, Vol 19, No. 2



Example of natural pathogen suppression with NEB root exudates. Photo courtesy of the University of Minnesota



Creates healthy soil

1

NEB is based on the **technology of root exudates**, a natural compound produced by plants and released through the roots into the soil.

2

Root Exudates naturally **suppresses** harmful bacteria and fungi, but at the same time **increases** beneficial soil organisms

3

Less of the bad and more of the good, in other words, **NEB root exudates creates healthy soil**

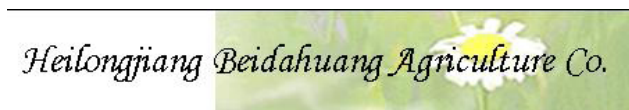


With NEB

No NEB

Proven Effective

BY RESPECTED RESEARCH INSTITUTIONS



Rice

Research Studies

Download complete reports at
agmorinc.com/research.pdf

	NO NEB	WITH NEB	INCREASE FROM NEB
Rice #96A	3.40 t/ha	5.25 t/ha	1.85 t/ha
Rice #96B	2.20 t/ha	4.25 t/ha	2.05 t/ha
Rice #136	3.88 t/ha	6.24 t/ha	2.36 t/ha
Rice #137	3.08 t/ha	5.22 t/ha	2.14 t/ha
Rice #145	2.40 t/ha	4.90 t/ha	2.50 t/ha
Rice #166	3.43 t/ha	5.05 t/ha	1.62 t/ha
Rice #167	3.68 t/ha	5.33 t/ha	1.65 t/ha
Rice #170	4.39 t/ha	5.46 t/ha	1.07 t/ha
Rice #173A	2.70 t/ha	3.98 t/ha	1.28 t/ha
Rice #173B	2.45 t/ha	3.35 t/ha	0.90 t/ha
Rice #175	5.93 t/ha	7.25 t/ha	1.32 t/ha
Rice #181	6.36 t/ha	8.14 t/ha	1.78 t/ha
Rice #182A	5.46 t/ha	8.26 t/ha	2.80 t/ha
Rice #182B	5.88 t/ha	7.93 t/ha	2.05 t/ha
Rice #182C	6.26 t/ha	8.53 t/ha	2.27 t/ha
Rice #183A	5.80 t/ha	8.91 t/ha	3.11 t/ha
Rice #183B	5.80 t/ha	8.36 t/ha	2.56 t/ha
Rice #184	6.96 t/ha	8.86 t/ha	1.90 t/ha
Rice #185	6.59 t/ha	7.83 t/ha	1.24 t/ha
Rice #186	4.02 t/ha	4.76 t/ha	0.74 t/ha
Rice #195A	5.13 t/ha	8.82 t/ha	3.69 t/ha
Rice #195B	5.13 t/ha	8.77 t/ha	3.64 t/ha
Rice #197	5.54 t/ha	8.22 t/ha	2.68 t/ha
Rice #198A	5.60 t/ha	8.48 t/ha	2.88 t/ha
Rice #198B	5.60 t/ha	8.75 t/ha	3.15 t/ha
AVERAGE	4.71 t/ha	6.84 t/ha	+ 2.13 t/ha

PADDY RICE RESEARCH STUDIES

1 - 2 tons per ha more



Confirmation trials conducted by PT Wilmar
Chemical, the NEB distributor in Indonesia

	NO NEB	WITH NEB	INCREASE FROM NEB
Saradan	7.60 t/ha	9.17 t/ha	+ 1.57 t/ha
Wonoasri	9.85 t/ha	12.15 t/ha	+ 2.29 t/ha
Pilangkenceng	7.40 t/ha	9.09 t/ha	+ 1.69 t/ha
Dagangan	7.20 t/ha	9.15 t/ha	+ 1.95 t/ha
Mejayan	6.33 t/ha	7.23 t/ha	+ 0.90 t/ha
Sawahan	8.22 t/ha	9.43 t/ha	+ 1.21 t/ha
Gemarang	8.18 t/ha	9.59 t/ha	+ 1.41 t/ha
Pilangkenceng	7.23 t/ha	8.68 t/ha	+ 1.45 t/ha
Jiwan	7.48 t/ha	9.48 t/ha	+ 2.00 t/ha
Kare	8.89 t/ha	10.08 t/ha	+ 1.19 t/ha
Pilangkenceng	6.57 t/ha	8.53 t/ha	+ 1.96 t/ha
Balerejo	7.28 t/ha	8.81 t/ha	+ 1.53 t/ha
Pilangkenceng	8.24 t/ha	9.48 t/ha	+ 1.25 t/ha
Madiun	6.97 t/ha	7.73 t/ha	+ 0.76 t/ha
Geger	7.93 t/ha	9.25 t/ha	+ 1.32 t/ha
Balerejo	6.52 t/ha	7.50 t/ha	+ 0.98 t/ha
Balerejo	6.28 t/ha	7.37 t/ha	+ 1.09 t/ha
Wungu	7.93 t/ha	9.38 t/ha	+ 1.45 t/ha
AVERAGE	7.56 t/ha	9.00 t/ha	+ 1.44 t/ha

DISTRIBUTOR CONFIRMATION TRIALS

+ 1.44 tons per ha more



With NEB

No NEB

Paddy Rice

	MORE TILLERS		MORE PANICLES		MORE YIELD	
	Tillers at 30 days	Tillers at harvest	Plant Height at harvest	Panicle Count	Grain Yield tons/ha	Extra Yield tons/ha
No NEB	21.88 c	24.93 e	93.65 d	21.80 e	6.36 b	-----
With NEB	27.45 a	34.38 a	101.23 a	28.30 a	8.14 a	+ 1.78

Paddy Rice Benefits





Rice Seed Bed (Nursery)

- ✓ Visual benefit - seeing is believing
- ✓ Increases yield by 1 ton/ha
- ✓ Stronger, healthier seedlings



EASY TO APPLY

Add sachet to a sprayer
Compatible with agri-chemicals

EASY TO SEE

Seeing is believing

LOW COST



With NEB

No NEB

Corn (Maize)

	LARGER PLANTS		LARGER EARS		MORE YIELD	
	Plant Height cm	Biomass g	Ear Height cm	Ear Diameter cm	Grain Yield tons/ha	Extra Yield tons/ha
No NEB	206.98 d	6.49 e	17.97 e	4.71 e	6.07 g	-----
With NEB	260.04 ab	7.87 ab	21.84 a	5.37 a	9.09 b	+ 3.02

Corn Benefits





With NEB

No NEB

Tomatoes

	MORE FRUITS		MORE MARKETABLE		MATURITY	YIELD	
	Fruits/ha	Ave fruit weight	Marketable Fruits	Non Marketable Fruits	Days to maturity	YIELD tons/ha	YIELD % increase
No NEB	388,530 c	95.9 d	60.57 cd	14.00 ab	74.67 b	37.28 cd	-----
With NEB	500,670 a	109.53 ab	100.20 a	9.43 c	72.33 b	54.82 a	+ 47%

Tomato Benefits



**MORE
FRUITS**

**MORE
MARKETABLE
FRUIT**

**ADVANCED
MATURITY**

**30–45%
MORE YIELD**



With NEB

No NEB

Cabbage

	MORE HEADS	MORE MARKETABLE WEIGHT		ADVANCED MATURITY	MORE YIELD	
	Number heads/plot	Marketable Total Weight	Non-Marketable Total Weight	Days to head formation	YIELD tons/ha	YIELD % increase
No NEB	55.00 b	46.56 f	4.56 a	32.83 a	29.47	-----
With NEB	58.33 a	78.99 a	1.60 b	29.33 c	49.37	+ 73%

Cabbage Benefits



MORE HEADS
LESS MORTALITY

**MORE
MARKETABLE
WEIGHT**

**ADVANCED
MATURITY**

30–45%
MORE YIELD



With NEB

No NEB

Vegetable Nursery

	ROOT WEIGHT Fresh Weight, 128 Seedlings	FOLIAGE WEIGHT Fresh Weight, 128 Seedlings	TOTAL Fresh Weight, 128 Seedlings
No NEB	48 grams	180 grams	228 grams
With NEB	92 grams	458 grams	550 grams

Vegetable Nursery Benefits





With NEB

No NEB

Grapevines

	MORE FRUITS	MORE MARKETABLE FRUIT		MORE YIELD
	Total Yield	Average Cluster Weight	Clusters/Vine	Extra Yield from NEB
No NEB	7.43 tons/ac	0.47 lbc/cluster	56.38 clusters/vine	-----
With NEB	9.79 tons/ac	0.55 lbs/cluster	62.55 clusters/vine	+ 31%

Grape Benefits





With NEB

Cherries

	MORE FRUIT	MORE MARKETABLE FRUIT				ADVANCED MATURITY	MORE YIELD
	Total Yield	Grade #1 (fresh)	Grade #2 (processing)	Total Marketable	Unmarketable (Culls)	Clusters/Vine	Extra Yield from NEB
No NEB	10,400 lb	8,239 lb	2,017 lb	10,256 lb	144 lb	-----	-----
With NEB	13,727 lb	11,792 lb	1,757 lb	13,549 lb	178 lb	11 days later	+ 32%

Cherry Benefits

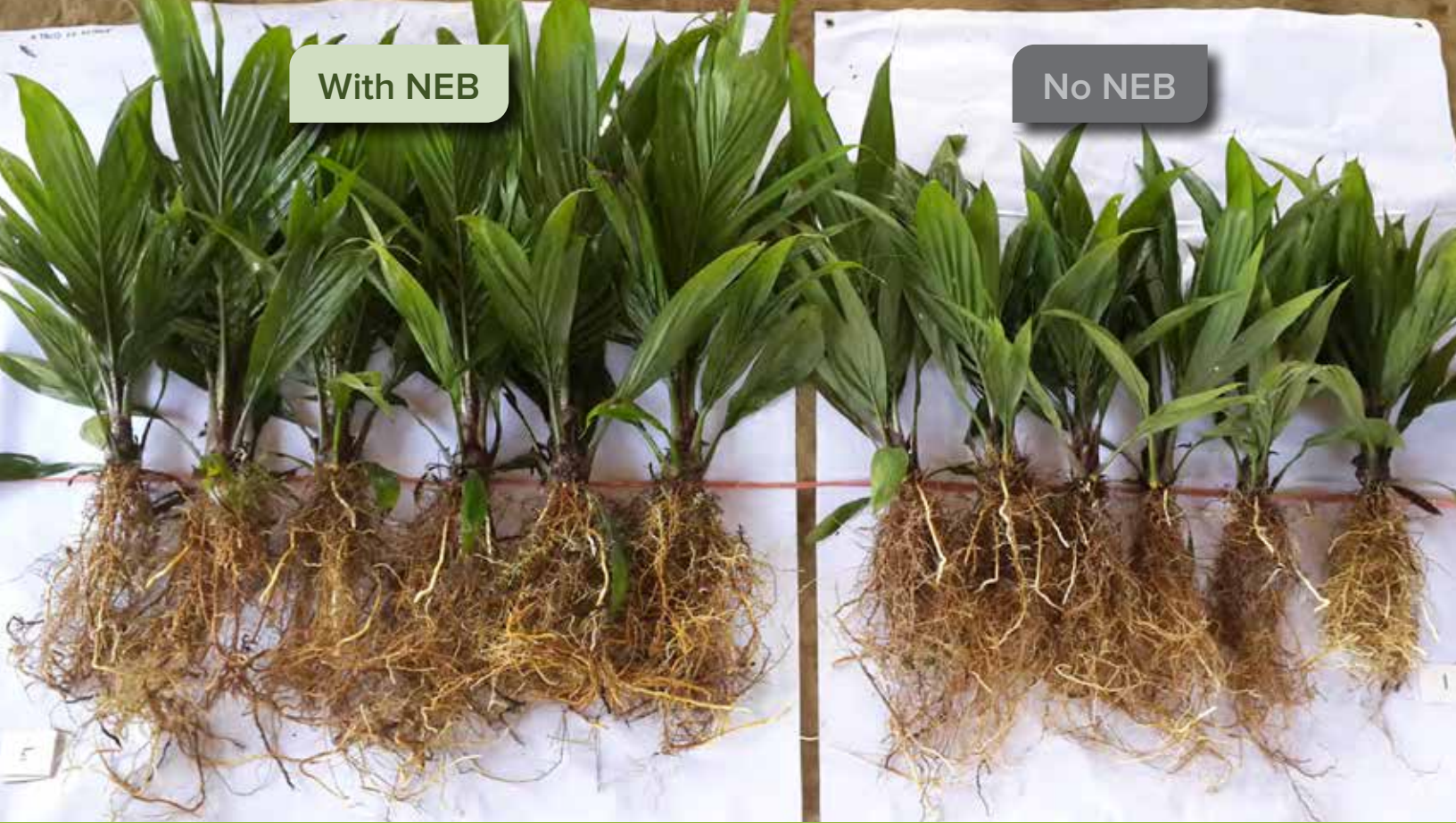


MORE FRUITS

MORE MARKETABLE FRUIT

ADVANCED MATURITY

**30–45%
MORE YIELD**



Tree Nursery

	ADVANCED MATURITY MORE LEAVES, ADVANCED DEVELOPMENT			STRONGER SEEDLINGS MORE DISEASE RESISTENT	
	Number of Leaves	Leaf Length cm	Leaf Width cm	Height cm	Stem cm
No NEB	6.22	17.39	6.22	22.50	1.19
With NEB	8.00	21.13	7.10	27.78	1.34

Tree Nursery Benefits



Confirmation Field Trials



awba

NEB DISTRIBUTOR IN MYANMAR

Confirmation trial conducted by Myanmar AWBA Group

No NEB

With NEB



Confirmation Field Trials



NEB DISTRIBUTOR IN BANGLADESH

Confirmation trial conducted by Advanced Chemicals Industries (ACI)

No NEB

With NEB



Confirmation Field Trials



With NEB

No NEB



NEB DISTRIBUTOR IN THE PHILIPPINES

Confirmation trial conducted by Allied Botanical Corporation



Confirmation Field Trials




wilmar

**NEB DISTRIBUTOR
IN INDONESIA**

Confirmation trials conducted by PT Wilmar
Chemical, the NEB distributor in Indonesia



With NEB

No NEB

Easy to Apply



NEB SACHET

Liquid NEB packaged in sachet
Correct dosage, ready to use



EASY TO APPLY

Add sachet to backpack sprayer
Compatible with agri-chemicals



APPLICATION OPTIONS

NEB can also be applied by blending on
fertilizer, root drench, adding to irrigation, etc.

With NEB

No NEB

Low Cost



LOW COST



QUICK RESULTS



GREAT DEMONSTRATION



With NEB

No NEB

Exclusive distribution

- ✓ High margin new technology
- ✓ Long-term, protected market
- ✓ High-growth segment

NEB Root Exudates

American technology manufactured by AGMOR INC.

Pioneers in the technology of root exudates

RootExudates.com

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