



Product sheet **MAIZE** / Product sheet **MAIZE**

## MAIZE REPORT

This test was performed under the supervision of the Agriculture Faculty Ain sham University at Soliman village, Naburiya town, Egypt. Additionally, a chemical analysis was performed by the Natural Research Centre, in order to determine any quality differences.

Test area: Soliman village, Naburiya town, Egypt  
 3 treatments with AGROSOL: 1st of June 2009 / 16th of June 2009 / 1st of July 2009  
 Sample date: 31st of July 2009



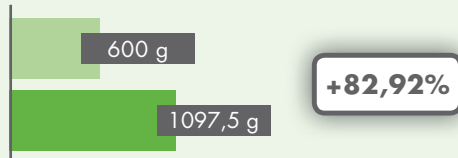
## MAIZE REPORT

This test was performed under the supervision of the Agriculture Faculty Ain sham University at Soliman village, Naburiya town, Egypt. Additionally, a chemical analysis was performed by the Natural Research Centre, in order to determine any quality differences.

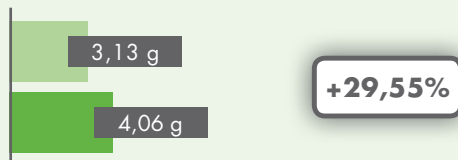
Test area: Soliman village, Naburiya town, Egypt  
 3 treatments with AGROSOL: 1st of June 2009 / 16th of June 2009 / 1st of July 2009  
 Sample date: 31st of July 2009

### Average yield increase Average yield increase

WEIGHT OF MAIZE-COB / WEIGHT OF MAIZE-COB



OIL CONTENT / OIL CONTENT



DRY MATTER / DRY MATTER



without AGROSOL    with AGROSOL  
 without AGROSOL    with AGROSOL





المركز القومي للبحوث  
National Research Centre

وحدة  
" صحة النبات و علاج التربة "  
**Plant health and soil amelioration**

Table (1): Effect of Agrosol on minerals composition of corn grains.

Sample no.	Macronutrients (%)			Micronutrients (ppm)			
	N	P	K	Fe	Mn	Zn	Cu
Cont. 0gm/L	0.76	0.51	2.56	119	29.1	30.9	22.0
AGR. 4gm/L	0.83	0.56	2.82	124	32.6	33.5	27.3
AGR. 6gm/L	0.95	0.62	3.04	133	35.7	36.6	32.7

Table (2): Effect of Agrosol on minerals composition of corn leaves.

Sample no.	Macronutrients (%)			Micronutrients (ppm)			
	N	P	K	Fe	Mn	Zn	Cu
Cont. 0gm/L	1.03	0.72	3.77	279	39.6	41.9	31.5
AGR. 4gm/L	1.11	0.79	4.06	284	42.0	46.6	36.7
AGR. 6gm/L	1.38	0.85	4.66	293	45.3	49.9	41.9

Table (3): Effect of Agrosol on chemicals composition of corn grains.

Sample no.	Oil	Protein	Total carbohydrates	Total phenoles	TSS
	(%)				
Cont. 0gm/L	3.13	9.06	72.4	34.0	19.1
AGR. 4gm/L	3.89	9.46	76.5	36.7	20.8
AGR. 6gm/L	4.22	9.91	79.4	40.6	22.0

رئيس الوحدة  
أ.د. نادية جاد الرب  
أستاذة تغذية النبات و خصوبة التربة  
المركز القومي للبحوث  
ت: ٣٣٢٧١٤٩٩٣ داخلي ١١٧٥  
محمول ٠١٠٥٧٤٧٥٨٢



وحدة  
صحة النبات و علاج التربة  
تحريراً في ٢٦ / ١٠ / 2009

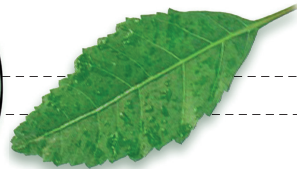
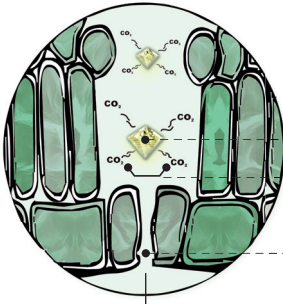
## AGROSOL'S Advantages

- Increase in yield
- Increased chlorophyll intensity
- Higher level of photosynthesis
- Stronger, denser, finer, heavily branched root system
- Optimization of the ph value of the plant, allowing for better use of available fertilizer
- Improved quality of the produce
- Improved storage life of the produce
- Higher drought resistance
- AGROSOL is a natural product

## AGROSOL'S Advantages

- Increase in yield
- Increased chlorophyll intensity
- Higher level of photosynthesis
- Stronger, denser, finer, heavily branched root system
- Optimization of the ph value of the plant, allowing for better use of available fertilizer
- Improved quality of the produce
- Improved storage life of the produce
- Higher drought resistance
- AGROSOL is a natural product

### Magnified view of a leaf cross section / Magnified view of a leaf cross section



**AGROSOL®**

CO<sub>2</sub>-Discharge / CO<sub>2</sub>-Discharge

Stomata / Stomata

O<sub>2</sub>-Discharge / O<sub>2</sub>-Discharge

After AGROSOL has been mixed with water and sprayed onto the leaf surface in the form of a fine mist, it enters the plant through the stomata.

The minerals discharge CO<sub>2</sub> inside the plant. This boosts the production of glucose and proteins and in turn, increases the amounts of oxygen discharged into the environment.

After AGROSOL has been mixed with water and sprayed onto the leaf surface in the form of a fine mist, it enters the plant through the stomata.

The minerals discharge CO<sub>2</sub> inside the plant. This boosts the production of glucose and proteins and in turn, increases the amounts of oxygen discharged into the environment.