AGRIPOWER SILICA (APS) EFFECT ON THE GROWTH, THE YIELD AND THE QUALITY OF ONION (*Allium cepa L.*)

**Mean Results**

With APS:
- an increase in the yield (+28% when compared with the control).
The increase was attributed to a larger size and heavier onions,
- higher quality
- an improvement in the growth,
- an improvement in the size,
- optimization of water and mineral nutrient uptake,
- less diseases and parasitic attacks,
- longer shelf-life,
- Higher Organoleptic concentration (more taste)
- better colour of the bulbs.

**The APS is an ally of:**
- a Sustainable Agriculture,
- a secure and safe produce for the consumer,
- a resilient agriculture,
- management of fertilisers and irrigation water.

**Problems mitigated and managed by the use of APS:**
- Lack of water; Salinity of water and Soil;
- Mismanagement of chemicals
- Climate change and difficult climatic conditions (Drought; Flooding, Cold and Frost; ...)
- Disturbance in the uptake of minerals

**Culture Conditions:**
- Crop: Onion
- Application rate: 150Kg/ha
- APS Application time: with fertilizers or manure at the sowing stage or earlier.

The APS product requires a high dose of water at the first time following its application.

Onion trial with APS- Malta -May 2017
The APS application for cultures has an important Agronomical, Economical and environmental impacts

**Agripower Silica** is a 100% natural product. It allows for the enrichment and higher aeration of the soil. Moreover, it assists in the protection of the groundwater through the leaching reduction of mineral nutrients. It has been certified by several international organizations and has been proven and authorized for the use in Organic Farming.

For Conventional Agriculture, this product assists in a better uptake and distribution of mineral nutrients in the plan, and in efficient use of water.

**APS is a useful product for all kinds of Agriculture;** higher yield, quality (polyphenols and anti-oxidant content of the onions), more homogeneity and less deformations and diseases.

Precocity; Forma; Firmness; Size; Better colour; Less diseases and parasites attack; Enhanced taste, longer shelf-life with APS fertilizer

This Sheet is a synthesis of Main trials Results of Agritech–Group and MESDC with Farmers on Onions in Malta

**Product Agripower Silica certification:**

Dr. Zakia Bouzoubaa

Agritech Organic Fertilizer-DMCC

1701 B Central Business Towers - P.O Box 123109, Media City, Dubai, UAE Office : (+971) 042 76 5988