

## Effects of application Ariashimi fertilizers on Rice



TABAK 19-19-19	Elements	Advantages	Consumption
Complete fertilizer(NPK+TE)	N=19%, P <sub>2</sub> O <sub>5</sub> = 19% K <sub>2</sub> O= 19%, Fe=0.2% Zn=0.1%, Mn=0.1% Cu=0.07%, B=0.03%	Containing balanced macro elements in same amount Help to the growth, floral and higher yield, High percent of micro nutrients in chelated form foliar application ability	Spray: 2 to 3 Kg in 1000 liter water fertigation: 10 Kg /ha



**Treated**



**Control**



**The effects of tabak 19-19-19 on rice – Isfahan - Mina Dasht - 2015**



Waker mix	Elements	Advantages	Consumption
Micro nutrient elements enriched with Amino -Acid	Fe=4.2%, Zn= 2.7% Mn=2.4%, Cu= 1% B=0.3%, Mo=0.06% Amino Acid= 22%	Provides all types of micro nutrients and various amino acids Increases quantity and quality yields Increases the speed and amount of element absorption due to chelating properties of amino acids	Spray: 1 to 1.5 liter per 1000 liter water

TABAK 10-52-10	Elements	Advantages	Consumption
Complete fertilizer( high phosphorous + micro elements)	N=10%, P2O5= 52% K2O= 10%, Fe=0.2% Zn=0.1%, Mn=0.1% Cu=0.07%, B=0.03%	Containing macro elements with high percent of phosphorous Roots stimulation Increases flowering and fruiting High percent of micro nutrients in chelated form Foliar application ability	Spray: 2 to 3 Kg in 1000 liter water fertigation: 10 Kg /ha

TABAK 15-5-30+2 MgO	Elements	Advantages	Consumption
Complete fertilizer( high potassium + Magnesium + micro elements)	N=15%, P2O5= 5% K2O= 30%, MgO=2%,Fe=0.2% Zn=0.1%, Mn=0.1% Cu=0.07%, B=0.03%	Containing macro elements with high percent of potassium Increases size and quality of fruit High percent of micro nutrients in chelated form foliar application ability	Spray: 2 to 3 Kg in 1000 liter water fertigation: 10 Kg /ha

Husmic	Elements	Advantages	Consumption
Humic acid, enriched with folvic acid and NPK+TE	Humic Acid= 30% Folic Acid= 10%, N=11% P2O5= 8%, K2O= 17% TE=1%	-Increases roots growth and development -Improvement of nutrients absorption through leave and roots -Increase in the performance and improvement of quality of the yields Increase in fertilizer efficiency, absorption and using nitrogen and phosphorus Improvement in ventilation and modification of soil structure	Spray: one to two packs in 1000 liter water fertigation: 2 to 3 packs /ha



The effects of tabak 15-5-30 , 10-52-10 , hasmic& waker mix on rice - Isfahan – Mobarakeh - 2014



Powder Sitam	Elements	Advantages	Consumption
Powdery silicon fertilizer	SiO <sub>2</sub> = 70%	A source of organic silica Capability to be dispersing in water and absorption via leaf Resistance of stem against lodging	Spray: 2 Kg in 1000 liter water fertigation: 4 Kg /ha



The effects of sitam & tabak 15-05-30 on rice – Mazandaran - Tonekabon - 2014



Algora	Elements	Advantages	Consumption
Complete fertilizer, with plant growth stimulator	PGR= 317 ppm N= 14%, P <sub>2</sub> O <sub>5</sub> = 14% K <sub>2</sub> O= 14%, Fe=0.4% Zn=4%, Mn=0.4% Cu=0.1%, B=0.01%	-rooting increasing -Increases absorbing nutrients -improving the quality and quantity of the yields	Spray: one pack in 1000 liter water fertigation: 2 to 3 packs/ha



The effects of algora on rice – Gilan – Langerud - 2014



The effects of sitam on rice – Babolsar - 2014





The effects of algora & 20-20-20 aira on rice – Isfahan - Mobarakeh - 2014





The effects of hasmik & 10-52-10 aira on rice – Isfahan – Mobarakeh - 2014



The effects of algora & hasmik on rice – Golestan - 2015