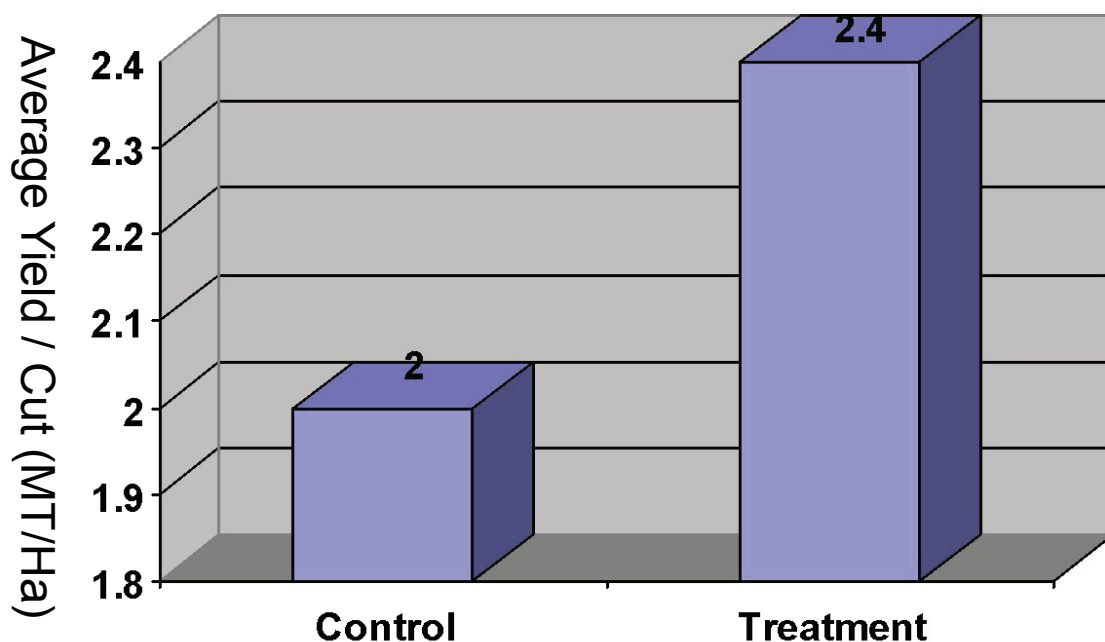




Alfalfa – Saudi Arabia - Kharj

Fertilizer (Qty/cut)	Control	Recommended Program
Urea (46-0-0)	50 Kg/Ha	60 Kg/Ha
Monoammonium Phosphate (11-48-0)		20 Kg/Ha
Potassium Compound (0-0-34+25S)		3 liters/Ha
Nitrogen Compound (31-0-0+5B)		2 liters/Ha
Metalosate Crop Up		2 liters/Ha every two cuts
Metalosate Magnesium		0.5 liters/Ha every three cuts
NPK 12-45-12	25 Kg/Ha	

Alfalfa Yield – Al Bandariah Farm - Kharj



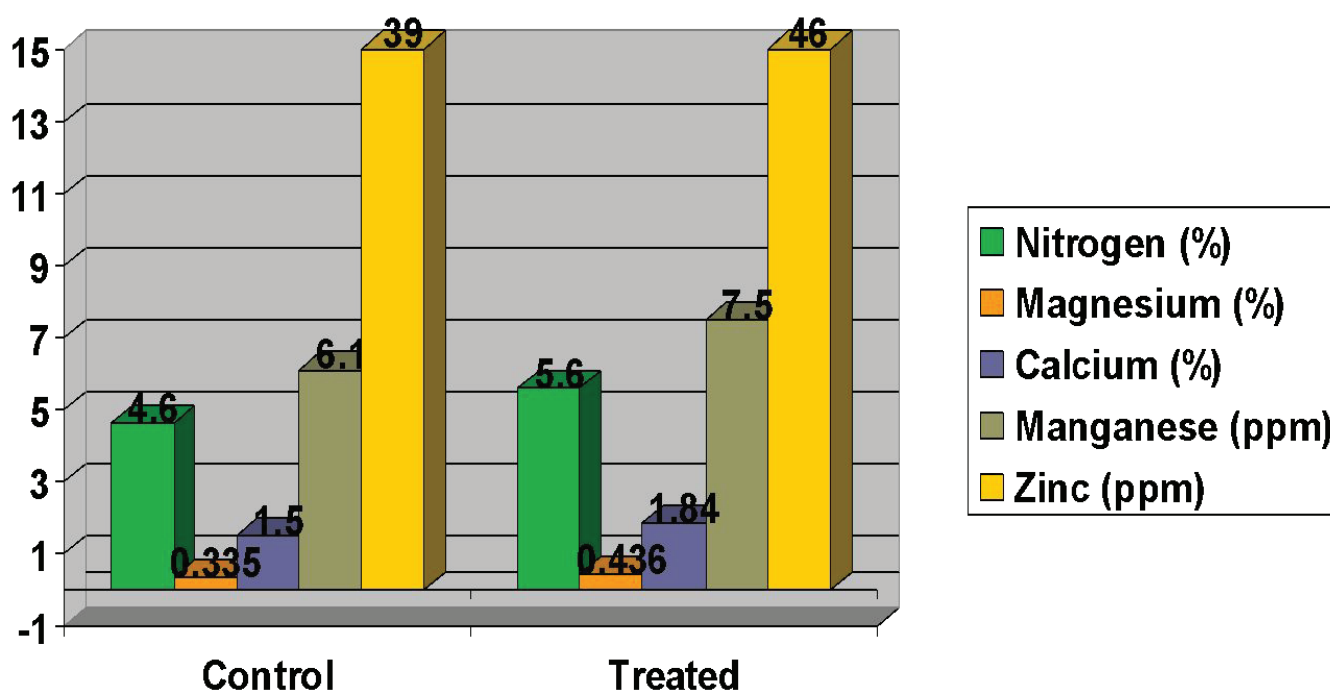
20% yield increase with recommended program

Feasibility Study

	<i>Control</i>	<i>Treatment</i>	<i>Difference</i>
Average Yield	2.0 MT/Ha	2.4 MT/Ha	0.4 MT/Ha
Cost of Fertilizer Program/Ha	SR 86	SR 209	SR 123
Return/Ha at SR 600/MT	SR 1200	SR 1440	SR 240

Every Saudi Riyal spent on Metalosate returned SR 1.95

Metalosate on Alfalfa in USA



Yield was increased by 20%
 MM 0.5, Zn 0.4, Mn 0.3 L/Ha

Metalosate on Alfalfa in USA

Mineral	Control	Treated	Increases
Nitrogen	4.65%	5.6%	21.5%
Magnesium	0.335%	0.436%	30.0%
Calcium	1.5%	1.84%	22.6%
Manganese	6.1 ppm	7.5 ppm	22.9%
Zinc	39.0 ppm	46.0 ppm	17.9%