



**WATER SOURCE**  
 Head Control  
 Max. flow rate (m<sup>3</sup>/h): 135  
 Filtration inlet pressure (m): 40  
 Filtration outlet pressure (m): 30  
 (PI, requirement at ground level)  
 Second level (m): 12.2



Project No.: AZSR053

Description	Units	Irrigation Data - Natural Soil			
		Details	Details	Details	Details
Crop		Alfalfa	Alfalfa	Alfalfa	Alfalfa
Irrigation Area (Net)	Ha	16.0	16.0	16.0	16.0
Rows/Block Spacing	Mts	4.0	2.0	6.0	5.0
Plants Spacing	Mts	1.00	1.00	4.00	3.00
Irrigation System		Drip System	Drip System	Drip System	Drip System
Emitter Type	Discharge (l/h)	2.0	2.0	2.0	2.0
Lambert - Min. Allowed Pressure	Mts	7.0	7.0	7.0	7.0
Lambert Discharge	l/h	1.6	1.6	1.6	1.6
Lambert Spacing	Mts	0.50	0.50	0.50	0.50
No. of Laterals per Rowline		1.0	2.0	2.0	2.0
Application Rate	mm/d	0.80	1.60	1.60	1.28
Max. Daily Consumption	mm/d	6.0	6.0	6.0	6.0
Irrigation Cycle	Days	1.0	1.0	1.0	1.0
Duration of one Operation	Hrs	7.50	3.75	5.63	4.69
Number of Operations	Mts	1.0	1.0	1.0	1.0
Max. Daily Operation Duration	Hrs	7.5	3.8	5.6	4.7
Available Daily Duration	Hrs		22.0		
Maximum Charge Required	m <sup>3</sup> /h		8.0		
Required Pressure at Water Source	M		10.0		
Max. Flow Variation	%				

- DRIPNET PC 160/10 1.6L/H 0.50M
- Wavin PVC PIPE 50/6 Glue
- Wavin PVC PIPE 63/6 Glue
- Wavin PVC PIPE 75/6 Glue
- Wavin PVC PIPE 90/6 Glue
- Wavin PVC PIPE 110/6 Glue
- Wavin PVC PIPE 125/6 W/SEAL
- Wavin PVC PIPE 160/6 W/SEAL
- Wavin PVC PIPE 200/6 W/SEAL

- CV-DOR-H-BS-2"X1-1W-163-063-V0-206-1
- CV-AQN-A-BS-2"X1-1W-163-063-V0-200-1
- CV-DOR-A-BS-3"X1-1W-175-075-V0-300-1
- CV-DOR-A-BS-3"X1-1W-190-090-V0-308-1
- HEAD CONTROL 6"
- Water Supply

**SmartAgro**

Designer:  
 Date: 24-Dec-19  
 Scale: 1:4500  
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