Milestone D3.1 – Attachment D:

Energy availability v's consumption (solar and grid) and water applied (ML/ha)

	Review per	iod 15 Jan to	6 June 2	2018
Weather site data				
Bright sunshine hours				1737
Pump operational threshold W/m ²				400
Sun hours equal to or abo	ve threshold			1027
Recorded pumping data				
Daytime pumping hrs				279
Percent of available solar houirs				27.2
Nighttime pumping hrs				119
Total pump run time (hours)				398
Grid supplied energy (kWh)				4614
dila sappilea ellergy (kw				4014
Recorded pumping data				
Average pump demand (kWh/h)				25.13
Solar supply kWh				5389
Average daytime solar inp	out (kWh/h)			19.32
Average daytime grid input (kWh/h)				5.81
Grid input				
Ratio of operation (kWh)	Day	70)%	3229.8
	Night	30)%	1384.2
				4614
Total pump energy use (g	rid +solar) kM	Vh		10003
Total pullip ellergy use (gi	ila isolal) kv	V II		10003
System utilisation				
Nominal water allocation		ML	./ha	4.5
Farm area Ha			la	38.5
Total water allocation			1L	173
Irrigation applied	N	ML		
		ML	./ha	0.9
Percent of allocation appl	ied			20
creent of anocation appr			20	