

Fertigation application rate formulars based on a 100 Ha pivot

Based on a 60 hour rotation applying a 20mm water application rate

Pivot length	mtrs	0.00
End gun coverage	m	0.00
Pivot length to last tower	m	0.00
Part of circle		1.00
Area covered incl. end gun	Ha	100
Circumference at last tower	mtrs	0.00
Max speed of last tower @100%	mtrs/hr	0.00
Time taken for pivot rotation	Hours	60.00
Application of fert	Ltr/Ha	20.00
Fertiliser required	Ltrs	2000
Injection rate	Ltrs/Hr	33

<u>Fertiliser r</u>	<u>Total</u>	<u>Injecton rate in</u>
<u>Ltrs/Ha</u>	<u>Fertiliser Req</u>	<u>Ltrs/Hr</u>
13	1300	22
14	1400	23
15	1500	25
16	1600	27
17.5	1750	29
18	1800	30
19	1900	32
20	2000	33
22.5	2250	38
23	2300	38
24	2400	40
25	2500	42

Length of pivot	0.00	Mtr
Gun coverage	25.00	Mtr
Time to complete full round	60.00	Hours
100% speed (Hours)	24.00	Hours
Area covered by pivot & gun	100	Ha

Application rate	Fertiliser required	Injection rate	
(ltrs/ha)	(ltrs)	(ltrs/hr)	
13	1300	22	
14	1400	23	
15	1500	25	
16	1600	27	
17.5	1750	29	Equip 70kg Ha
18	1800	30	
19	1900	32	
20	2000	33	Equip 80kg Ha
22.5	2250	38	Equip 90kg Ha
23	2300	38	
24	2400	40	
25	2500	42	Equip 100kg Ha