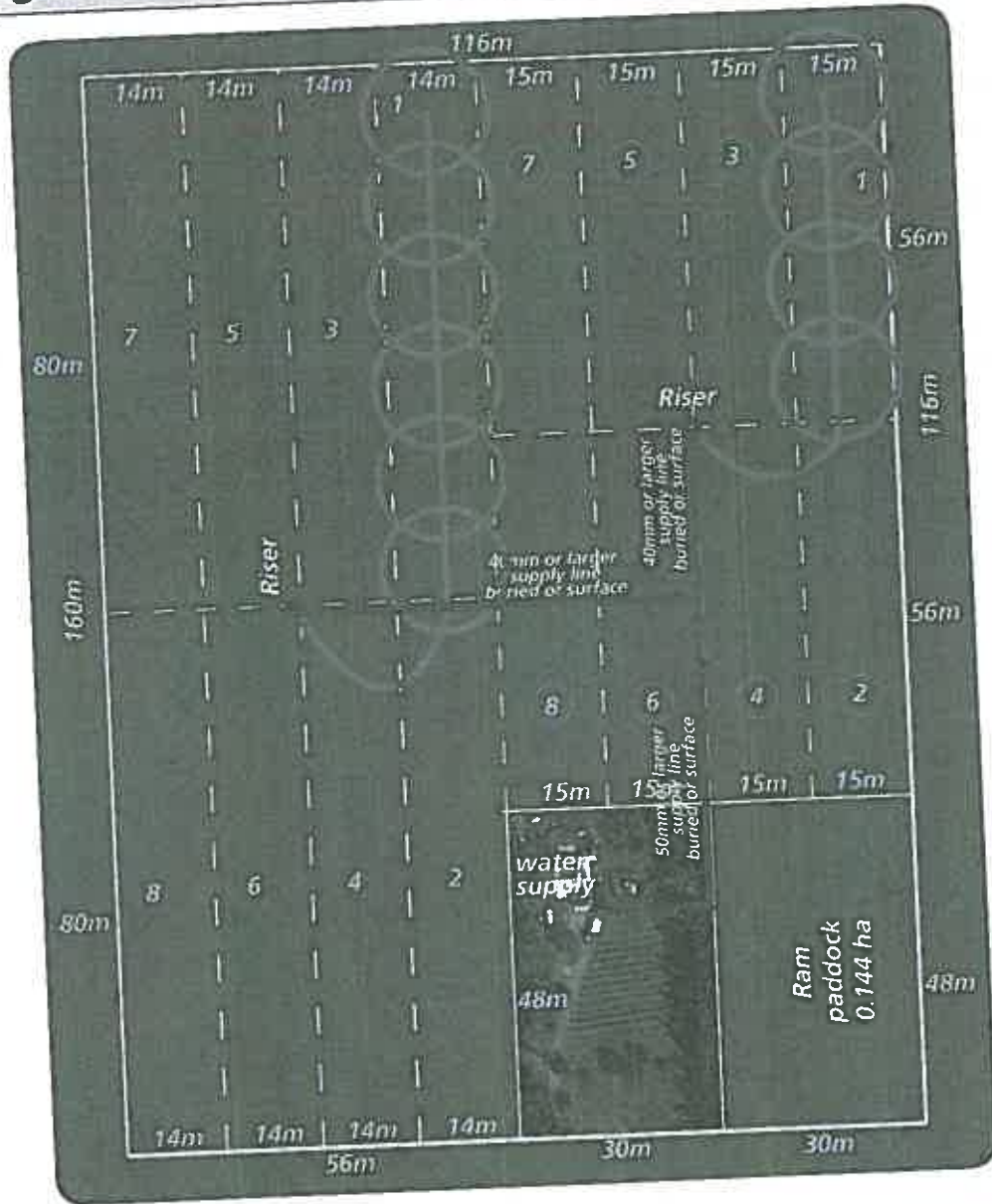


Sample Design 4: Two K-Line 5 Pod / 1 Hectare (Ex) Kits Combined Shifting once per day

SIIS
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Design Specifications

| | 1 | 8 | Totals |
|--|-----------------------|-----------------------|-----------------------|
| Size of total area to be irrigated | 0.69 Ha | 0.94 Ha | 1.63 Ha's |
| Number of sets or watering days required | 8 days | 8 days | 8 days |
| Distance between sprinkler pods | 14 m. | 13.33m | |
| Set widths | 15 m. | 14 m. | |
| Sprinkler nozzle color and size | Red 3.0mm | Orange 2.8mm | |
| Operating pressure available | 330 kPa | 330 kPa | 330kPa |
| Sprinkler application rate in mm per hour | 3 mm/hr | 3 mm/hr | 3mm/hr |
| Length of watering time per set | 12 hours | 12 hours | 12 hours |
| Total amount of irrigation water applied during each set period | 36mm | 36mm | 36mm |
| System capability in millimetres per week applied | | | 63mm |
| Number of sprinkler pods per K-Line | 4 | 6 | 10 |
| Output per sprinkler | 620 litres/hour | 560 litres/hour | |
| Total cubic metres per hour (1000's litres) needed for this area | 2.2m ³ /hr | 3.8m ³ /hr | 6.0m ³ /hr |

Notes

Both K-Line sprinkler pod lines are operating at the same time.

By dividing the total parts from 2 K-Line 5 Pod Kits into a 6 sprinkler pod line and a 4 sprinkler pod line and then operating both K-Lines at the same time, a little over 1.5 hectares can be irrigated, applying about 36mm of water per set. This is designed for a 8 day rotation.