



MAGUIRES TOBACCO GROWERS GUIDE

As Recommended by the Tobacco Research Board

Please remember to always read the label before using any chemical



IRRIGATION

PRE-IRRIGATION

The land must be uniformly wet to a depth of 1000mm before ridging. Wherever possible, this should be done within two months of planting and the land kept free of weeds after irrigating. The amount of irrigation necessary to wet to depths of 1000mm will depend on soil type and whether the plough was early or late. Below is a rough guide to amounts required depending on soil type and whether it was an early or late plough.

| Amount of water required to wet 1000mm depth of soil to field capacity | | |
|--|--------------|-------------|
| Soil Type | Early Plough | Late Plough |
| Sand overlaying sand | 50mm | 100mm |
| Sand overlaying sandy/loam/sandy clay loam | 60mm | 120mm |
| Sandy loam overlaying sandy clay loam | 60mm | 120mm |
| Sandy clam loam | | 150mm |

SETTLING-IN IRRIGATION

The settling-in irrigation must achieve the following:

- Settle soil around roots
- Provide adequate moisture for faster root development
- Cool soil, increase humidity and reduce transpiration
- Reduce leaf scalding and transplanting shock
- Activate herbicide

No more than 15mm should be applied.

FIRST IRRIGATION

The first irrigation after stress period is important to get land back to field capacity. Too little irrigation at this stage will lead to uneven crop as tobacco on the heavier soils will sit, whereas tobacco on the sandier soils will start growing. It is recommended that this first irrigation should be no more than 25mm net on light soils and up to 35mm net on heavier soils.

IRRIGATION TO A ROUTINE SCHEDULE



| | |
|----------------------------------|----------------------------|
| Pre-Irrigation | 50-150mm (see chart above) |
| Settling-In Irrigation | 15nn |
| First Irrigation (4-5 w.a.p) | 25-35mm |
| Second Irrigation (1 week later) | 15-20mm |
| Up to button stage | 15-20mm every 4-5 days |
| Button stage to second harvest | 25-30mm every 4-5 days |
| From second harvest onwards | 35mm every 7-8 days |