OPICO Air 8 mechanical drive calibration test (model year upto 2000)

Seed rate - to calculate the seed rate, apply the following formula: -

$$\frac{Area}{drive\ wheel\ circumference \times drive\ wheel\ turns \times working\ width} \times seed\ weight = Quantity\ seed\ /\ area$$

e.g.   To calculate seed rate in kg/ha

6mtr working width
1.5mtr drive wheel
50 drive wheel turns
0.6kg collected seed

$$\frac{10,000m^2}{1.5mtr \times 50 \times 6mtr} \times 0.6\ kg = 13.3\ Kg/ha$$

Remove back cover and place the calibration tray into distributor roller. Set the seed rate adjuster to required output (each increment on 0–40 scale equates to 1kg/ha approximately); check seed retaining brush setting. Turn the drive wheel 50 times, collect and weigh the delivered seed in kg, multiply this weight by 22.2 to give a seed rate in kg/ha for a Air 8 pneumatic seed box & 6m Grass Harrow. NOTE: effective drive wheel circumference will vary depending on the ground conditions

For more information on changing seed rates and settings please refer to the operators manual.

Table 1.   Calibration factor for different working widths (on firm ground)

Working width	3.0m	4.5m	5.0m	6.0m	
Factor for 1ha - 10,000m²	44.4	29.6	26.7	22.2	Multiply calibrated seed weight by factor = weight / ha
Factor for 1ac - 4,047m²	18.0	12.0	10.8	9.0	Multiply calibrated seed weight by factor = weight / ac