

Fertiliser Applicator Calibration: Calculator Field Sheet

TEST DETAILS

Date	
Assessor	
Site	
Test Number	
Client	
Address 1	
Address 2	
Address 3	

VEHICLE DETAILS

Vehicle	
Registration #	
Engine speed	rpm
PTO speed	rpm
Travel Distance	m
Travel Time	sec
Travel Speed	km/h

SPREADER DETAILS

Brand	
Model	
Spreader type	
Condition	
Age	
Discharge height	m
Spinner Revs	
Door	
Vanes	
Bout width	m
Spread Width	m
Adjacent bouts	Round+Round To+Fro

FERTILISER

Fertiliser Type	Nitrogen Non-Nitrogen
Fertiliser	
Target Rate	kg/ha
Fertiliser Density	kg/L
Sieve Size (mm)	% of Particles
Pan	
0.5	
1.0	
1.9	
2.9	
3.7	
4.7	
5.8	
7	
Sum	
Size Guide Number	
Uniformity Index	

RATE CALCULATION

Target fert/m run	$\frac{\text{Target rate} \times \text{bout width}}{10,000}$	kg/m
Fertiliser caught		kg
Time catching		sec
Fertiliser Flow rate	$\frac{\text{Fertiliser Caught}}{\text{Time Catching}}$	kg/min
Target travel speed	$\frac{\text{Fert Flow Rate}}{\text{Target/m run}} \times \frac{60}{1000}$	km/h

MISCELLANEOUS

Wind Speed	m/s
Wind Angle to Travel	deg
Tray Size	m ²
Tray Spacing	m

CATCH DETAILS Run Number:

Tray		Dist from Centre	Weight
LEFT	-20		
	-19		
	-18		
	-17		
	-16		
	-15		
	-14		
	-13		
	-12		
	-11		
	-10		
	-9		
	-8		
	-7		
	-6		
	-5		
	-4		
	-3		
	-2		
	-1		
	0		
RIGHT	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		

CATCH DETAILS Run Number:

Tray		Dist from Centre	Weight
LEFT	-20		
	-19		
	-18		
	-17		
	-16		
	-15		
	-14		
	-13		
	-12		
	-11		
	-10		
	-9		
	-8		
	-7		
	-6		
	-5		
	-4		
	-3		
	-2		
	-1		
	0		
RIGHT	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		