

# Ag-Products Inc.

## Calibration Unit Instructions

You have purchased the most accurate and advanced method of complete planter calibration **Please**

**note:** *This Unit is solely for the use of planter calibration.*

### **To mount motor:**

Install (3) 3/4" x 1" bolts and (1) 7/16 nut through motor mount into mounting plate. Motor will only face protector handle. ***BOLTS MUST BE TIGHT!***

The unit operates on any planter using a common shaft drive system and is bi-directional. Always use blank insecticide granules and wear protective clothing. Do NOT attempt to calibrate more than 8 rows at one time as overload on the motor may occur.

Be sure rollers in insecticide boxes are in good condition. Worn rollers greatly affect proper rates. Most important, you must know your speed for insecticide calibration. If you calibrate for 5 mph but actually plant at 5.5 mph, you will be off by 10 percent. However, changing population will not change insecticide rate more than 2 percent. The planter must be operated at the manufacturers recommended speed to maintain accuracy.

**Please be sure to read and follow all label directions.**

**DO NOT OPERATE UNIT WITH A GENERATOR**

### **To begin calibration:**

1. Remove transmission drive chain.
2. All planter boxes must be clean and planter **MUST** turn freely.
3. Hook unit with proper socket to common shaft and determine direction of rotation. This will be the same as the drive wheel rotation.
4. Timer Unit: Place proper tubes on funnel under insecticide box and pour in small amount of blank granules. Depress buttons under each window of timer until desired time is shown according to planting speed and calibration tube distance. Place toggle switch in desired direction, hold push button switch in. Unit will shut off automatically after programmed time. Check tube for proper amount and adjust accordingly.
5. Non-Timer Unit: Place proper tubes on funnel under insecticide box and pour in small amount of blank granules. Place toggle switch in desired direction. Using second hand on your watch or a stopwatch, hold push switch in for pre-determined time according to planting speed chart on Unit. Check tube for proper amount and adjust accordingly.

## Calibration Unit Time Charts

200 Feet	
MPH	Seconds
	43
4.0	38
4.5	34
5.0	30
5.5	27
6.0	25
6.5	23
7.0	21
7.5	19
8.0	18
	17
300 Feet	
MPH	Seconds
	51
4.0	45
4.5	41
5.0	37
5.5	34
6.0	31
6.5	29
7.0	27
7.5	26
8.0	

250 Feet	
MPH	Seconds
	43
4.0	38
4.5	34
5.0	31
5.5	28
6.0	26
6.5	24
7.0	23
7.5	22
8.0	
500 Feet	
MPH	Seconds
	85
4.0	76
4.5	68
5.0	62
5.5	57
6.0	52
6.5	49
7.0	46
7.5	44
8.0	

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