



# DARRYL DRILL CALIBRATION

## 1. MANUAL



- Read Darryl Drill manual (correct calibration will improve metering and result in more cost-efficient sowing).
- Gather materials
- Calculate targeted output seed rate at KG per Ha with chart.

## 2. LIFT DD



- Lift seeder off ground (for wheel movement and full extension of seed tubes).
- Block all outlets except those for measuring.

## 3. SEED TUBES



- Remove seed tubes from disc opener at bottom of y-piece. (Note: Important to test one bin at a time).

## 4. TARE + SET



- Using scales, TARE & zero out small empty bucket & record weight.



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## 5. SEED TUBES



- Place empty bucket securely under seed tubes (Y-piece) ready for calibration.

Note: for better accuracy measure over 3 tube units and just multiply sum of desired grams by 3.

## 6. ADD SEED



- Pour small amount of seed product (<5kg) in seed bin over designated seed outlets.

Note: Important to test one bin at a time.  
(1 seed bin=64 rotations)

## 7. SETTINGS



- Set Zero Max gear box to setting 2 and open metering rollers fully.
- Most adjustments will be made with the metering rollers (yellow handles).

## 8. SETTINGS



- Adjust rollers: use green tab on gauge to open throat on seed tubes. Use the in and out of the throat to get seed rates right.

Note: Be mindful of coarse and fine rollers are for different product flow rates (high or low).



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## 9. PRIME



- Mark indicator line on drive wheel for rotations.
- Use crank handle to prime metering rollers and check for steady product flow of seed in bucket.
- Rotate handle COUNTER CLOCKWISE for (X) drive wheel rotations, based on calculations.

## 10. WEIGH



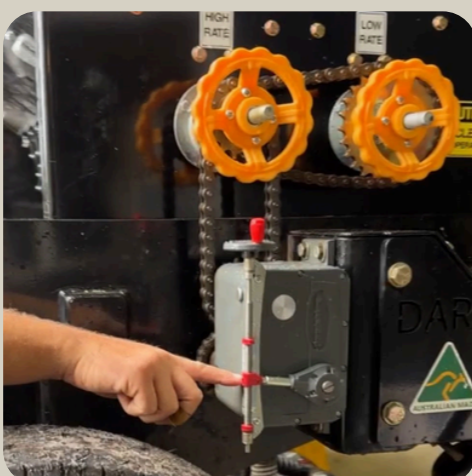
- Once primed, remove bucket from under seed tubes.
- TARE scales, then weigh bucket + seed product.
- Record weight in grams, for seed application rate (Kg/Ha) calculation.

## 11. CALCULATE



- Once seed is weighed in grams, calculate and check targeted output rate: weight (g) multiplied by number of disc rows (X) = calculation Y. Multiply Y with seeder factor.
- If desired seed rate Kg/Ha achieved, test 3 times for accuracy. Then repeat for each seed bin.

## 12. ADJUST



- Adjust and repeat from step 8 to recalculate sowing rate until the desired target output is achieved. Adjust and re-calibrate metering roller or gear box as needed.

Note: determine and adjust targeted seeding rate as needed (eg. adjust for seed viability and purity).



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## 13. CONNECT



- Reconnect seed tubes at bottom of y-piece.
- FILL each seed bin with seed product.
- Open all seed tube compartments.

Note: Coarse Seed/High rate = front bin (tractor side).  
Fine Seed/Low rate = back bin (step side)

## 10. CHECK



- Prime all openers by rotating crank handle counter-clockwise until you see visibly even amount of seed on ground coming from openers.
- Check seed application rate by sowing the area and confirming the correct has been sown.
- Complete final safety checks (see manual)

## 11. SOW



- Optimum sowing speed between 8-10km/h
  - Lift drill off ground when turning.
  - Lower drill into ground at 0km/h or slower speed.
- Note: For best opportunity of even establishment, a consistent flow and good volume of seed is required. Sowing in rain should be avoided.

## 12. MONITOR



- Monitor for consistent seed depth and placement.
- As the seed bin empties, open throat gauge and adjust gear box setting to 3 or 4 to increase seed rate and empty bin out.
- Avoid grinding/crushing small seeds (when throat too tight) by reducing throat metering.