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## Pump Settings for 250 Series Model 254 Lo-Dose Electronic Injection Pump

Maximum Capacity is 108 gallons per day (4.5 gallons per hour)  
 Maximum Operating Pressure is 160 PSI

| Number of Acres to be Irrigated      | (A) Number of Gallons of Product per Application | (B) Irrigation Time in Hours |         |         |         |          |          |          |
|--------------------------------------|--|------------------------------|---------|---------|---------|----------|----------|----------|
|                                      |  | 6 Hours                      | 7 Hours | 8 Hours | 9 Hours | 10 Hours | 11 Hours | 12 Hours |
| <b>Pump Setting (Percent Stroke)</b> |  |                              |         |         |         |          |          |          |
| 20                                   | 5  | 20                           | 17      | 15      | 13      | 12       | 11       | 10       |
| 30                                   | 8  | 32                           | 28      | 24      | 22      | 20       | 18       | 16       |
| 40                                   | 10   | 40                           | 35      | 30      | 27      | 24       | 22       | 20       |
| 50                                   | 13   | 52                           | 45      | 39      | 35      | 32       | 29       | 26       |
| 60                                   | 15   | 60                           | 52      | 45      | 40      | 36       | 33       | 30       |
| 70                                   | 18   | 72                           | 62      | 54      | 48      | 44       | 40       | 36       |
| 80                                   | 20   | 80                           | 69      | 60      | 54      | 48       | 44       | 40       |
| 90                                   | 23   | 92                           | 79      | 69      | 62      | 55       | 50       | 46       |
| 100                                  | 25   | 100                          | 86      | 75      | 67      | 60       | 55       | 50       |
| 110                                  | 28   | X                            | 96      | 84      | 75      | 68       | 61       | 56       |
| 120                                  | 30   | X                            | 100     | 90      | 80      | 72       | 66       | 60       |
| 140                                  | 35   | X                            | X       | 100     | 94      | 84       | 77       | 70       |
| 160                                  | 40   | X                            | X       | X       | 100     | 96       | 88       | 80       |
| 180                                  | 45   | X                            | X       | X       | X       | X        | 100      | 90       |
| 200                                  | 50   | X                            | X       | X       | X       | X        | X        | 100      |

**Notes:**

- "X" exceeds pump capacity for indicated times
- Settings dispense 1 quart of Product per acre.
- Pump Setting Formula:  

$$("A" / "B") \times 24 = \text{Pump Stroke Setting}$$

**PLEASE NOTE: Pump must be running to change adjustments. DO NOT MOVE SETTING UNLESS PUMP IS RUNNING!!! DAMAGE TO PUMP WILL RESULT!!!**

**To Compute Injection Acreage:**

- Add 10 acres to fairways for overspray
- Double area of greens and tees for overspray
- Add fairway acreage with green and tee acreage and apply to chart using next highest acreage



# INJECTION PUMP INSTALLATION INSTRUCTIONS

## MODEL: 250 Series

### Assembly Note:

- Be sure to use teflon tape to wrap all threads.
- Do not assemble any fitting. Just loosen and insert tubing, then tighten nuts gently. Too much pressure can strip the threads or crack the fittings.
- The pump must be running to change settings. Do not move settings unless the pump is running. Damage to the pump will result.

If you have any questions and/or require further information, please consult your operation manual and/or call 252-937-4107.

