

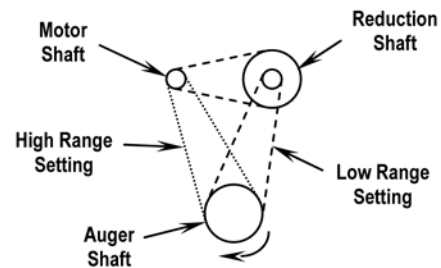
# CALIBRATION FOR HYDRAULIC DRIVE

## HYDRAULIC DRIVE – CALIBRATION INSTRUCTIONS

**NOTE:** Divide the total width served by each box by two to get the equivalent chart row spacing.

1. Select the desired output rate (lbs./acre)
2. Based on your row spacing and (lbs./acre) use the following table to assemble the auger drive chain for the correct range setting:

ROW SPACING	LOW RANGE		HIGH RANGE	
	Min.	Max.	Min.	Max.
30	72	468	324	2190
32	68	439	304	2053
34	64	413	286	1932
36	60	390	270	1825
38	57	369	256	1729
40	54	351	243	1643
42	51	334	231	1564
44	49	319	221	1493
46	47	305	211	1428
48	45	293	203	1369



3. Establish the desired tractor ground speed and engine speed.
4. Measure the time (T) required to travel 500ft. at established ground speed.
5. Calculate the pounds to be collected from one box during the time (T) at established engine speed.

$$\text{lbs. (P)} = \frac{\text{lbs./acre} \times \text{row width} \times \text{no. of rows served per box}}{1045}$$

6. Vary the flow control valve handle on the unit to collect lbs. (P) from one box during the time (T) at established engine speed and lock in position. (Do not vary any hydraulic speed controls on the tractor once the unit speed control handle is locked.)

**CAUTION:** Do not operate the unit with a reduction shaft speed in excess of 160 RPM.  
Wash box thoroughly after each application. Lightly oil chains prior to storage.