

# Sizing a TMR Mixer Worksheet

- 1. Number of cows in largest group ..... \_\_\_\_\_ Cows
- 2. Multiply by 5.0 Cubic Feet (CF)/Cow-Day
- 3. Equals total feed per group per day ..... \_\_\_\_\_ C.F.
- 4. Divide by number of feeding per day..... \_\_\_\_\_ Feedings
- 5. Equals total feed per group per feeding per day..... \_\_\_\_\_ C.F.
- 6. Equals required capacity of TMR Mixer..... \_\_\_\_\_ C.F.

## TO DETERMINE THE DENSITY OF YOUR RATION

- 7. Fill a 5 gallon pail with your ration and weigh it ..... \_\_\_\_\_ lb
- 8. Subtract the weight of the pail ..... \_\_\_\_\_ lb
- 9. Multiply by 1.5
- 10. The density of your ration will be: ..... \_\_\_\_\_ lb/C.F.
- 11. Weight of ration fed per cow as fed: ..... \_\_\_\_\_ lb/Cow
- 12. Divide by density (Line 10): ..... \_\_\_\_\_ C.F./Cow

**USE THIS NUMBER INSTEAD OF 5.0 CUBIC FEET ON LINE 2 IN WORKSHEET ABOVE**



**TMR Mixer Sizing Table**

**Assuming 5 C.F. Per Cow Per Day**

Number feedings per day	Group Size									
	10	20	30	40	50	60	70	80	90	100
1	50	100	150	200	250	300	350	400	450	500
2	25	50	75	100	125	150	175	200	225	250
3	17	33	50	67	83	100	117	133	150	167

**Assuming 4 C.F. Per Cow Per Day**

Number feedings per day	Group Size									
	10	20	30	40	50	60	70	80	90	100
1	40	80	120	160	200	240	280	320	360	400
2	20	40	60	80	100	120	140	160	180	200
3	13	27	40	53	67	80	93	107	120	133

