

NITRO BAR RATE CHART 20-INCH SPACING

ORANGE ADAPTER #1040753
US GALLONS PER ACRE (28-0-0) 3 LBS N/GALLON
SPEED IN MILES PER HOUR

| PRESSURE PSI | US GAL | US GAL | | | | | | |
|-----------------|------------------|-----------------------|------|------|------|------|-----|-----|
| | PER MIN WATER | PER/MIN FERTILIZER | 5 | 6 | 7 | 8 | 9 | 10 |
| 20 | 0.188 | 0.17 | 9.9 | 8.2 | 7.1 | 6.2 | 5.5 | 4.9 |
| 25 | 0.210 | 0.19 | 11.0 | 9.2 | 7.9 | 6.9 | 6.1 | 5.5 |
| 30 | 0.230 | 0.20 | 12.1 | 10.1 | 8.6 | 7.6 | 6.7 | 6.1 |
| 35 | 0.249 | 0.22 | 13.1 | 10.9 | 9.4 | 8.2 | 7.3 | 6.5 |
| 40 | 0.266 | 0.24 | 14.0 | 11.7 | 10.0 | 8.7 | 7.8 | 7.0 |
| 45 | 0.282 | 0.25 | 14.9 | 12.4 | 10.6 | 9.3 | 8.3 | 7.4 |
| 50 | 0.297 | 0.26 | 15.5 | 12.9 | 11.1 | 9.7 | 8.6 | 7.7 |
| 55 | 0.311 | 0.28 | 16.7 | 13.9 | 11.9 | 10.4 | 9.3 | 8.3 |
| 60 | 0.325 | 0.29 | 17.3 | 14.4 | 12.3 | 10.8 | 9.6 | 8.6 |

RED ADAPTER #1040740
US GALLONS PER ACRE (28-0-0) 3 LBS N/GALLON
SPEED IN MILES PER HOUR

| PRESSURE PSI | US GAL | US GAL | | | | | | |
|-----------------|------------------|-----------------------|------|-------|------|------|------|------|
| | PER MIN WATER | PER/MIN FERTILIZER | 5 | 6 | 7 | 8 | 9 | 10 |
| 20 | 0.342 | 0.30 | 18.0 | 14.98 | 12.8 | 11.2 | 10.0 | 9.0 |
| 25 | 0.383 | 0.34 | 20.1 | 16.8 | 14.4 | 12.6 | 11.2 | 10.1 |
| 30 | 0.419 | 0.37 | 22.0 | 18.4 | 15.7 | 13.8 | 12.2 | 11.0 |
| 35 | 0.453 | 0.40 | 23.8 | 19.8 | 17.0 | 14.9 | 13.2 | 11.9 |
| 40 | 0.484 | 0.43 | 25.4 | 21.2 | 18.2 | 15.9 | 14.1 | 12.7 |
| 45 | 0.513 | 0.45 | 26.8 | 22.3 | 19.1 | 16.7 | 14.9 | 13.4 |
| 50 | 0.541 | 0.48 | 28.6 | 23.8 | 20.4 | 17.9 | 15.9 | 14.3 |
| 55 | 0.567 | 0.50 | 29.8 | 24.8 | 21.3 | 18.6 | 16.5 | 14.9 |
| 60 | 0.592 | 0.52 | 30.9 | 25.8 | 22.1 | 19.3 | 17.2 | 15.5 |

BLUE ADAPTER #1040741
US GALLONS PER ACRE (28-0-0) 3 LBS N/GALLON
SPEED IN MILES PER HOUR

| PRESSURE PSI | US GAL | US GAL | | | | | | |
|-----------------|------------------|-----------------------|------|------|------|------|------|------|
| | PER MIN WATER | PER/MIN FERTILIZER | 5 | 6 | 7 | 8 | 9 | 10 |
| 20 | 0.554 | 0.49 | 29.1 | 24.3 | 20.8 | 18.2 | 16.2 | 14.6 |
| 25 | 0.620 | 0.55 | 32.6 | 27.2 | 23.3 | 20.4 | 18.1 | 16.3 |
| 30 | 0.679 | 0.60 | 35.7 | 29.7 | 25.5 | 22.3 | 19.8 | 17.9 |
| 35 | 0.733 | 0.65 | 38.5 | 32.1 | 27.5 | 24.1 | 21.4 | 19.3 |
| 40 | 0.784 | 0.69 | 41.2 | 34.3 | 29.4 | 25.8 | 22.9 | 20.6 |
| 45 | 0.832 | 0.74 | 44.0 | 36.7 | 31.5 | 27.5 | 24.5 | 22.0 |
| 50 | 0.877 | 0.78 | 46.4 | 38.7 | 33.2 | 29.0 | 25.8 | 23.2 |
| 55 | 0.920 | 0.81 | 48.2 | 40.2 | 34.4 | 30.1 | 26.8 | 24.1 |
| 60 | 0.960 | 0.85 | 50.6 | 42.2 | 36.1 | 31.6 | 28.1 | 25.3 |

YELLOW ADAPTER #1040742
 US GALLONS PER ACRE (28-0-0) 3 LBS N/GALLON
 SPEED IN MILES PER HOUR

| PRESSURE PSI | US GAL PER MIN WATER | US GAL PER/MIN FERTILIZER | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----------------------------|---------------------------------|------|------|------|------|------|------|
| 20 | 0.806 | 0.71 | 42.4 | 35.3 | 30.3 | 26.5 | 23.5 | 21.2 |
| 25 | 0.901 | 0.80 | 47.4 | 39.5 | 33.8 | 29.6 | 26.3 | 23.7 |
| 30 | 0.987 | 0.87 | 51.9 | 43.2 | 37.1 | 32.4 | 28.8 | 25.9 |
| 35 | 1.07 | 0.95 | 56.3 | 47.0 | 40.2 | 35.2 | 31.3 | 28.1 |
| 40 | 1.14 | 1.01 | 59.9 | 49.9 | 42.8 | 37.5 | 33.3 | 30.0 |
| 45 | 1.21 | 1.07 | 63.7 | 53.1 | 45.5 | 39.8 | 35.4 | 31.8 |
| 50 | 1.28 | 1.13 | 67.2 | 56.0 | 48.0 | 42.0 | 37.4 | 33.6 |
| 55 | 1.34 | 1.19 | 70.8 | 59.0 | 50.6 | 44.3 | 39.3 | 35.4 |
| 60 | 1.40 | 1.24 | 73.8 | 61.5 | 52.7 | 46.1 | 41.0 | 36.9 |

GREEN ADAPTER #1040743
 US GALLONS PER ACRE (28-0-0) 3 LBS N/GALLON
 SPEED IN MILES PER HOUR

| PRESSURE PSI | US GAL PER MIN WATER | US GAL PER/MIN FERTILIZER | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----------------------------|---------------------------------|------|------|------|------|------|------|
| 20 | 1.08 | 0.96 | 56.8 | 47.3 | 40.5 | 35.5 | 31.5 | 28.4 |
| 25 | 1.20 | 1.06 | 63.1 | 52.6 | 45.1 | 39.4 | 35.0 | 31.5 |
| 30 | 1.32 | 1.17 | 69.4 | 57.8 | 49.6 | 43.4 | 38.6 | 34.7 |
| 35 | 1.43 | 1.27 | 75.2 | 62.6 | 53.7 | 47.0 | 41.8 | 37.6 |
| 40 | 1.52 | 1.35 | 79.9 | 66.6 | 57.1 | 49.9 | 44.4 | 40.0 |
| 45 | 1.61 | 1.42 | 84.5 | 70.4 | 60.4 | 52.8 | 46.9 | 42.3 |
| 50 | 1.70 | 1.50 | 89.3 | 74.4 | 63.8 | 55.8 | 49.6 | 44.6 |
| 55 | 1.78 | 1.58 | 94.0 | 78.3 | 67.2 | 58.8 | 52.2 | 47.0 |
| 60 | 1.87 | 1.65 | 98.2 | 81.8 | 70.1 | 61.4 | 54.5 | 49.1 |

The Nitro Bar has been developed to optimize nitrogen application. To achieve the best results, we suggest the following:

- * Continually watch for consistent nitrogen streams, breaking of the stream will not provide optimal results
- * Do not use if wind is causing steam to break up
- * Do not travel at more than 10 mph
- * Do not use more than 40 PSI pressure