

ST Selection

| Nozzle | PSI | Capacity per nozzle | | GALLONS / ACRE | | | | | | | | | | |
|----------------------------------|-----|---------------------|----------|----------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | | G P M | oz./min. | 4 mph | 5 mph | 6 mph | 7 mph | 8 mph | 9 mph | 10 mph | 12 mph | 14 mph | 16 mph | 18 mph |
| Orange ST 80-01 110-01 | 30 | 0.09 | 12 | 6.7 | 5.3 | 4.5 | 3.8 | 3.3 | 3.0 | 2.7 | 2.2 | 1.9 | 1.7 | 1.5 |
| | 40 | 0.10 | 13 | 7.4 | 5.9 | 5.0 | 4.2 | 3.7 | 3.3 | 3.0 | 2.5 | 2.1 | 1.9 | 1.7 |
| | 50 | 0.11 | 14 | 8.2 | 6.5 | 5.4 | 4.7 | 4.1 | 3.6 | 3.3 | 2.7 | 2.3 | 2.0 | 1.8 |
| | 60 | 0.12 | 15 | 8.9 | 7.1 | 5.9 | 5.1 | 4.5 | 4.0 | 3.6 | 3.0 | 2.5 | 2.2 | 2.0 |
| Green ST 80-015 110-015 | 30 | 0.13 | 17 | 9.7 | 7.7 | 6.4 | 5.5 | 4.8 | 4.3 | 3.9 | 3.2 | 2.8 | 2.4 | 2.1 |
| | 40 | 0.15 | 19 | 11.1 | 8.9 | 7.4 | 6.4 | 5.6 | 5.0 | 4.5 | 3.7 | 3.2 | 2.8 | 2.5 |
| | 50 | 0.17 | 22 | 12.6 | 10.1 | 8.4 | 7.2 | 6.3 | 5.6 | 5.0 | 4.2 | 3.6 | 3.2 | 2.8 |
| | 60 | 0.18 | 23 | 13.4 | 10.7 | 8.9 | 7.6 | 6.7 | 5.9 | 5.3 | 4.5 | 3.8 | 3.3 | 3.0 |
| Yellow ST 80-02 110-02 | 30 | 0.17 | 22 | 12.6 | 10.1 | 8.4 | 7.2 | 6.3 | 5.6 | 5.0 | 4.2 | 3.6 | 3.2 | 2.8 |
| | 40 | 0.20 | 26 | 14.9 | 11.9 | 9.9 | 8.5 | 7.4 | 6.6 | 5.9 | 5.0 | 4.2 | 3.7 | 3.3 |
| | 50 | 0.22 | 28 | 16.3 | 13.1 | 10.9 | 9.3 | 8.2 | 7.3 | 6.5 | 5.4 | 4.7 | 4.1 | 3.6 |
| | 60 | 0.24 | 31 | 17.8 | 14.3 | 11.9 | 10.2 | 8.9 | 7.9 | 7.1 | 5.9 | 5.1 | 4.5 | 4.0 |
| Blue ST 80-03 110-03 | 30 | 0.26 | 33 | 19.3 | 15.4 | 12.9 | 11.0 | 9.7 | 8.6 | 7.7 | 6.4 | 5.5 | 4.8 | 4.3 |
| | 40 | 0.30 | 38 | 22.3 | 17.8 | 14.9 | 12.7 | 11.1 | 9.9 | 8.9 | 7.4 | 6.4 | 5.6 | 5.0 |
| | 50 | 0.34 | 44 | 25.2 | 20.2 | 16.8 | 14.4 | 12.6 | 11.2 | 10.1 | 8.4 | 7.2 | 6.3 | 5.6 |
| | 60 | 0.37 | 47 | 27.5 | 22.0 | 18.3 | 15.7 | 13.7 | 12.2 | 11.0 | 9.2 | 7.8 | 6.9 | 6.1 |
| Red ST 80-04 110-04 | 30 | 0.42 | 54 | 31.2 | 24.9 | 20.8 | 17.8 | 15.6 | 13.9 | 12.5 | 10.4 | 8.9 | 7.8 | 6.9 |
| | 40 | 0.35 | 45 | 26.0 | 20.8 | 17.3 | 14.9 | 13.0 | 11.6 | 10.4 | 8.7 | 7.4 | 6.5 | 5.8 |
| | 50 | 0.40 | 51 | 29.7 | 23.8 | 19.8 | 17.0 | 14.9 | 13.2 | 11.9 | 9.9 | 8.5 | 7.4 | 6.6 |
| | 60 | 0.45 | 58 | 33.4 | 26.7 | 22.3 | 19.1 | 16.7 | 14.9 | 13.4 | 11.1 | 9.5 | 8.4 | 7.4 |
| Brown ST 80-05 110-05 | 30 | 0.49 | 63 | 36.4 | 29.1 | 24.3 | 20.8 | 18.2 | 16.2 | 14.6 | 12.1 | 10.4 | 9.1 | 8.1 |
| | 40 | 0.55 | 70 | 40.8 | 32.7 | 27.2 | 23.3 | 20.4 | 18.2 | 16.3 | 13.6 | 11.7 | 10.2 | 9.1 |
| | 50 | 0.57 | 72 | 41.6 | 33.3 | 27.7 | 23.8 | 20.8 | 18.5 | 16.6 | 13.9 | 11.9 | 10.4 | 9.2 |
| | 60 | 0.61 | 78 | 45.3 | 36.2 | 30.2 | 25.9 | 22.6 | 20.1 | 18.1 | 15.1 | 12.9 | 11.3 | 10.1 |
| Gray ST 80-06 110-06 | 30 | 0.67 | 86 | 49.7 | 39.8 | 33.2 | 28.4 | 24.9 | 22.1 | 19.9 | 16.6 | 14.2 | 12.4 | 11.1 |
| | 40 | 0.73 | 93 | 54.2 | 43.4 | 36.1 | 31.0 | 27.1 | 24.1 | 21.7 | 18.1 | 15.5 | 13.6 | 12.0 |
| | 50 | 0.82 | 105 | 60.9 | 48.7 | 40.6 | 34.8 | 30.4 | 27.1 | 24.4 | 20.3 | 17.4 | 15.2 | 13.5 |
| | 60 | 0.89 | 114 | 66.1 | 52.9 | 44.1 | 37.8 | 33.0 | 29.4 | 26.4 | 22.0 | 18.9 | 16.5 | 14.7 |
| White ST 80-08 110-08 | 30 | 0.69 | 88 | 51.2 | 41.0 | 34.2 | 29.3 | 25.6 | 22.8 | 20.5 | 17.1 | 14.6 | 12.8 | 11.4 |
| | 40 | 0.80 | 102 | 59.4 | 47.5 | 39.6 | 33.9 | 29.7 | 26.4 | 23.8 | 19.8 | 17.0 | 14.9 | 13.2 |
| | 50 | 0.89 | 114 | 66.1 | 52.9 | 44.1 | 37.8 | 33.0 | 29.4 | 26.4 | 22.0 | 18.9 | 16.5 | 14.7 |
| | 60 | 0.98 | 125 | 72.8 | 58.2 | 48.5 | 41.6 | 36.4 | 32.3 | 29.1 | 24.3 | 20.8 | 18.2 | 16.2 |
| | 75 | 1.09 | 140 | 80.9 | 64.7 | 54.0 | 46.2 | 40.5 | 36.0 | 32.4 | 27.0 | 23.1 | 20.2 | 18.0 |

* Spray pressure at nozzle tip (gauged with diaphragm valve)

* GPM rates are for water

* Verify data by measuring flow rates before each spraying season

Ordering examples

| | | | | | |
|------|-------------|----------|-------------|---|-----------|
| Type | Spray Angle | Tip Size | Material | = | Order No. |
| ST | 110 | 05 | (polymer) | = | ST 110-05 |
| ST | 80 | 02 | (ceramic) C | = | ST 80-02C |