

| 5500 Nozzle Performance |        |               |             |                |                |
|-------------------------|--------|---------------|-------------|----------------|----------------|
| Pressure<br>psi         | Nozzle | Radius<br>ft. | Flow<br>gpm | Precip<br>In/h | Precip<br>In/h |
| 30                      | 2      | 33            | 1.2         | 0.21           | 0.25           |
|                         | 3      | 35            | 2.3         | 0.36           | 0.42           |
|                         | 4      | 37            | 2.4         | 0.34           | 0.39           |
|                         | 5      | 37            | 2.6         | 0.37           | 0.42           |
|                         | 6      | 39            | 4.2         | 0.53           | 0.61           |
|                         | 8      | 39            | 5.3         | 0.67           | 0.77           |
| 40                      | 2      | 37            | 1.6         | 0.23           | 0.26           |
|                         | 3      | 39            | 2.7         | 0.34           | 0.39           |
|                         | 4      | 41            | 2.9         | 0.33           | 0.38           |
|                         | 5      | 41            | 3.5         | 0.40           | 0.46           |
|                         | 6      | 45            | 4.8         | 0.46           | 0.53           |
|                         | 8      | 45            | 6.4         | 0.61           | 0.70           |
|                         | 10     | 41            | 7.5         | 0.86           | 0.99           |
|                         | 12     | 39            | 10.1        | 1.28           | 1.48           |
| 50                      | 2      | 37            | 1.7         | 0.24           | 0.28           |
|                         | 3      | 41            | 3.0         | 0.34           | 0.40           |
|                         | 4      | 43            | 3.3         | 0.34           | 0.40           |
|                         | 5      | 45            | 3.8         | 0.36           | 0.42           |
|                         | 6      | 47            | 5.4         | 0.47           | 0.54           |
|                         | 8      | 49            | 7.3         | 0.59           | 0.68           |
|                         | 10     | 47            | 8.9         | 0.78           | 0.90           |
|                         | 12     | 45            | 11.1        | 1.06           | 1.22           |
| 60                      | 2      | 37            | 1.9         | 0.27           | 0.31           |
|                         | 3      | 41            | 3.3         | 0.38           | 0.44           |
|                         | 4      | 45            | 3.6         | 0.34           | 0.40           |
|                         | 5      | 47            | 4.8         | 0.42           | 0.48           |
|                         | 6      | 47            | 6.0         | 0.52           | 0.60           |
|                         | 8      | 51            | 8.2         | 0.61           | 0.70           |
|                         | 10     | 51            | 9.7         | 0.72           | 0.83           |
|                         | 12     | 51            | 12.3        | 0.91           | 1.05           |
| 70                      | 2      | 39            | 2.1         | 0.27           | 0.31           |
|                         | 3      | 43            | 3.5         | 0.36           | 0.42           |
|                         | 4      | 45            | 3.9         | 0.37           | 0.43           |
|                         | 5      | 47            | 5.1         | 0.44           | 0.51           |
|                         | 6      | 47            | 6.5         | 0.57           | 0.65           |
|                         | 8      | 53            | 8.8         | 0.60           | 0.70           |
|                         | 10     | 53            | 11.1        | 0.76           | 0.88           |
|                         | 12     | 53            | 13.5        | 0.93           | 1.07           |
| 80                      | 2      | 39            | 2.3         | 0.29           | 0.34           |
|                         | 3      | 43            | 3.8         | 0.40           | 0.46           |
|                         | 4      | 45            | 4.2         | 0.40           | 0.46           |
|                         | 5      | 47            | 5.5         | 0.48           | 0.55           |
|                         | 6      | 49            | 7.0         | 0.56           | 0.65           |
|                         | 8      | 53            | 9.5         | 0.65           | 0.75           |
| 90                      | 10     | 55            | 12.1        | 0.77           | 0.89           |
|                         | 12     | 55            | 14.4        | 0.92           | 1.06           |
|                         | 10     | 55            | 13.1        | 0.83           | 0.96           |
|                         | 12     | 55            | 15.5        | 0.99           | 1.14           |

| 5500 Short Radius Nozzle Performance |        |               |             |                |                |
|--------------------------------------|--------|---------------|-------------|----------------|----------------|
| Pressure<br>psi                      | Nozzle | Radius<br>ft. | Flow<br>gpm | Precip<br>In/h | Precip<br>In/h |
| 30                                   | 18S    | 17            | 1.4         | 0.93           | 1.08           |
|                                      | 22S    | 19            | 1.4         | 0.75           | 0.86           |
|                                      | 26S    | 25            | 1.4         | 0.43           | 0.50           |
|                                      | 30S    | 25            | 1.7         | 0.52           | 0.60           |
| 40                                   | 18S    | 19            | 1.5         | 0.80           | 0.92           |
|                                      | 22S    | 21            | 1.6         | 0.70           | 0.81           |
|                                      | 26S    | 25            | 1.9         | 0.59           | 0.68           |
|                                      | 30S    | 29            | 1.8         | 0.41           | 0.48           |
| 50                                   | 18S    | 21            | 1.8         | 0.79           | 0.91           |
|                                      | 22S    | 23            | 1.8         | 0.66           | 0.76           |
|                                      | 26S    | 29            | 2.1         | 0.48           | 0.56           |
|                                      | 30S    | 31            | 2.0         | 0.40           | 0.46           |
| 60                                   | 18S    | 23            | 2.0         | 0.73           | 0.84           |
|                                      | 22S    | 25            | 2.0         | 0.62           | 0.71           |
|                                      | 26S    | 29            | 2.4         | 0.55           | 0.63           |
|                                      | 30S    | 33            | 2.2         | 0.39           | 0.45           |
| 70                                   | 18S    | 23            | 2.2         | 0.80           | 0.92           |
|                                      | 22S    | 25            | 2.3         | 0.71           | 0.82           |
|                                      | 26S    | 29            | 2.8         | 0.64           | 0.74           |
|                                      | 30S    | 35            | 2.8         | 0.44           | 0.51           |
| 80                                   | 18S    | 25            | 2.4         | 0.74           | 0.85           |
|                                      | 22S    | 27            | 2.5         | 0.66           | 0.76           |
|                                      | 26S    | 29            | 3.1         | 0.71           | 0.82           |
|                                      | 30S    | 35            | 3.1         | 0.49           | 0.56           |



5500 Short Radius Nozzles

| 5500 Nozzle Performance |        |          |                        |          |             |             | METRIC |
|-------------------------|--------|----------|------------------------|----------|-------------|-------------|--------|
| Pressure bar            | Nozzle | Radius m | Flow m <sup>3</sup> /h | Flow l/m | Precip mm/h | Precip mm/h |        |
| 2.1                     | 2      | 10.1     | 0.32                   | 4.54     | 6.3         | 7.3         | ■ ▲    |
|                         | 3      | 10.7     | 0.52                   | 8.71     | 9.2         | 10.6        |        |
|                         | 4      | 11.3     | 0.59                   | 9.08     | 9.3         | 10.7        |        |
|                         | 5      | 11.3     | 0.73                   | 9.84     | 11.4        | 13.2        |        |
|                         | 6      | 11.3     | 0.86                   | 15.90    | 13.6        | 15.7        |        |
|                         | 8      | 10.1     | 1.23                   | 20.06    | 24.2        | 28.0        |        |
| 2.5                     | 2      | 10.8     | 0.35                   | 5.49     | 5.9         | 6.8         |        |
|                         | 3      | 11.4     | 0.58                   | 9.65     | 8.9         | 10.2        |        |
|                         | 4      | 12.0     | 0.66                   | 10.27    | 9.1         | 10.5        |        |
|                         | 5      | 12.0     | 0.81                   | 11.97    | 11.2        | 12.9        |        |
|                         | 6      | 12.4     | 0.96                   | 17.32    | 12.5        | 14.4        |        |
|                         | 8      | 11.2     | 1.37                   | 22.67    | 21.8        | 25.2        |        |
| 3.0                     | 2      | 11.3     | 0.38                   | 6.19     | 6.0         | 6.9         |        |
|                         | 3      | 12.1     | 0.64                   | 10.62    | 8.7         | 10.0        |        |
|                         | 4      | 12.7     | 0.74                   | 11.51    | 9.1         | 10.5        |        |
|                         | 5      | 12.9     | 0.90                   | 13.65    | 10.8        | 12.5        |        |
|                         | 6      | 13.3     | 1.07                   | 18.97    | 12.1        | 13.9        |        |
|                         | 8      | 12.3     | 1.53                   | 25.42    | 20.1        | 23.2        |        |
|                         | 10     | 13.1     | 1.74                   | 30.25    | 20.1        | 23.2        |        |
|                         | 12     | 12.5     | 2.30                   | 39.56    | 29.3        | 33.8        |        |
| 3.5                     | 2      | 11.3     | 0.41                   | 6.49     | 6.5         | 7.5         |        |
|                         | 3      | 12.5     | 0.69                   | 11.44    | 8.8         | 10.2        |        |
|                         | 4      | 13.2     | 0.80                   | 12.58    | 9.2         | 10.7        |        |
|                         | 5      | 13.8     | 0.98                   | 14.67    | 10.4        | 12.0        |        |
|                         | 6      | 13.8     | 1.17                   | 20.61    | 12.3        | 14.2        |        |
|                         | 8      | 13.2     | 1.67                   | 27.89    | 19.3        | 22.3        |        |
|                         | 10     | 14.4     | 1.83                   | 33.92    | 17.6        | 20.3        |        |
|                         | 12     | 13.9     | 2.54                   | 42.36    | 26.5        | 30.6        |        |
| 4.0                     | 2      | 11.3     | 0.45                   | 7.04     | 7.0         | 8.1         |        |
|                         | 3      | 12.5     | 0.75                   | 12.27    | 9.7         | 11.2        |        |
|                         | 4      | 13.6     | 0.85                   | 13.40    | 9.2         | 10.6        |        |
|                         | 5      | 14.2     | 1.05                   | 17.42    | 10.4        | 12.0        |        |
|                         | 6      | 14.2     | 1.25                   | 22.26    | 12.4        | 14.3        |        |
|                         | 8      | 13.6     | 1.80                   | 30.36    | 19.5        | 22.5        |        |
|                         | 10     | 15.3     | 2.12                   | 36.11    | 18.1        | 20.9        |        |
|                         | 12     | 15.2     | 2.74                   | 45.65    | 23.8        | 27.4        |        |

| Pressure bar | Nozzle | Radius m | Flow m <sup>3</sup> /h | Flow l/m | Precip mm/h | Precip mm/h |     |
|--------------|--------|----------|------------------------|----------|-------------|-------------|-----|
| 4.5          | 2      | 11.6     | 0.48                   | 7.59     | 7.1         | 8.2         | ■ ▲ |
|              | 3      | 12.8     | 0.80                   | 12.89    | 9.7         | 11.2        |     |
|              | 4      | 13.7     | 0.90                   | 14.22    | 9.6         | 11.0        |     |
|              | 5      | 14.3     | 1.12                   | 18.77    | 10.9        | 12.6        |     |
|              | 6      | 14.3     | 1.33                   | 23.71    | 13.0        | 15.0        |     |
|              | 8      | 14.0     | 1.92                   | 32.23    | 19.5        | 22.5        |     |
|              | 10     | 15.9     | 2.38                   | 39.51    | 18.9        | 21.9        |     |
|              | 12     | 15.9     | 2.94                   | 48.95    | 23.3        | 26.9        |     |
| 5.0          | 2      | 11.9     | 0.51                   | 8.14     | 7.2         | 8.3         |     |
|              | 3      | 13.1     | 0.83                   | 13.53    | 9.7         | 11.2        |     |
|              | 4      | 13.7     | 0.95                   | 15.05    | 10.1        | 11.6        |     |
|              | 5      | 14.3     | 1.18                   | 19.69    | 11.5        | 13.3        |     |
|              | 6      | 14.5     | 1.41                   | 25.08    | 13.4        | 15.5        |     |
|              | 8      | 14.5     | 2.04                   | 33.98    | 19.4        | 22.5        |     |
|              | 10     | 16.3     | 2.60                   | 42.97    | 19.5        | 22.5        |     |
|              | 12     | 16.3     | 3.12                   | 51.96    | 23.4        | 27.1        |     |
| 5.5          | 2      | 11.9     | 0.52                   | 8.69     | 7.4         | 8.5         |     |
|              | 3      | 13.1     | 0.88                   | 14.36    | 10.3        | 11.9        |     |
|              | 4      | 13.7     | 1.00                   | 15.87    | 10.6        | 12.2        |     |
|              | 5      | 14.3     | 1.25                   | 20.78    | 12.2        | 14.0        |     |
|              | 6      | 14.9     | 1.47                   | 26.45    | 13.2        | 15.3        |     |
|              | 8      | 14.9     | 2.15                   | 35.90    | 19.3        | 22.3        |     |
|              | 10     | 16.8     | 2.74                   | 45.71    | 19.6        | 22.6        |     |
|              | 12     | 16.8     | 3.27                   | 54.43    | 23.3        | 26.9        |     |
| 6.0          | 10     | 16.8     | 2.91                   | 48.46    | 20.7        | 23.9        |     |
|              | 12     | 16.8     | 3.45                   | 57.43    | 24.5        | 28.3        |     |
| 6.2          | 10     | 16.8     | 2.98                   | 49.58    | 21.2        | 24.4        |     |
|              | 12     | 16.8     | 3.52                   | 58.66    | 25.1        | 28.9        |     |

Precipitation rates based on half-circle operation

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw

Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.

See page 224 for complete ASAE Test Certification Statement.

| 5500 Short Radius Nozzle Performance |        |             |                           |             |                | METRIC         |
|--------------------------------------|--------|-------------|---------------------------|-------------|----------------|----------------|
| Pressure<br>bar                      | Nozzle | Radius<br>m | Flow<br>m <sup>3</sup> /h | Flow<br>l/m | Precip<br>mm/h | Precip<br>mm/h |
| 2.1                                  | 18S    | 5.2         | 0.32                      | 5.3         | 23.7           | 27.3           |
|                                      | 22S    | 5.8         | 0.32                      | 5.3         | 19.0           | 21.9           |
|                                      | 26S    | 7.6         | 0.32                      | 5.3         | 11.0           | 12.6           |
|                                      | 30S    | 7.6         | 0.39                      | 6.4         | 13.3           | 15.4           |
| 2.5                                  | 18S    | 5.6         | 0.33                      | 5.5         | 21.5           | 24.8           |
|                                      | 22S    | 6.2         | 0.35                      | 5.8         | 18.2           | 21.0           |
|                                      | 26S    | 7.6         | 0.39                      | 6.5         | 13.4           | 15.5           |
|                                      | 30S    | 8.4         | 0.40                      | 6.7         | 11.4           | 13.2           |
| 3.0                                  | 18S    | 6.0         | 0.36                      | 6.1         | 20.2           | 23.3           |
|                                      | 22S    | 6.6         | 0.38                      | 6.3         | 17.3           | 20.0           |
|                                      | 26S    | 8.0         | 0.45                      | 7.5         | 13.8           | 16.0           |
|                                      | 30S    | 9.1         | 0.42                      | 7.1         | 10.4           | 12.0           |
| 3.5                                  | 18S    | 6.4         | 0.41                      | 6.9         | 19.8           | 22.9           |
|                                      | 22S    | 7.1         | 0.41                      | 6.9         | 16.6           | 19.1           |
|                                      | 26S    | 8.8         | 0.48                      | 8.0         | 12.3           | 14.3           |
|                                      | 30S    | 9.5         | 0.46                      | 7.6         | 10.2           | 11.7           |
| 4.0                                  | 18S    | 6.9         | 0.45                      | 7.4         | 18.8           | 21.7           |
|                                      | 22S    | 7.5         | 0.45                      | 7.4         | 15.8           | 18.3           |
|                                      | 26S    | 8.8         | 0.53                      | 8.9         | 13.6           | 15.7           |
|                                      | 30S    | 9.9         | 0.49                      | 8.2         | 9.9            | 11.5           |
| 4.5                                  | 18S    | 7.0         | 0.49                      | 8.2         | 19.9           | 23.0           |
|                                      | 22S    | 7.6         | 0.49                      | 8.2         | 16.9           | 19.5           |
|                                      | 26S    | 8.8         | 0.59                      | 9.9         | 15.2           | 17.5           |
|                                      | 30S    | 10.4        | 0.57                      | 9.5         | 10.6           | 12.2           |
| 5.0                                  | 18S    | 7.2         | 0.53                      | 8.9         | 20.8           | 24.0           |
|                                      | 22S    | 7.8         | 0.53                      | 8.9         | 17.7           | 20.4           |
|                                      | 26S    | 8.8         | 0.65                      | 10.9        | 16.7           | 19.3           |
|                                      | 30S    | 10.7        | 0.65                      | 10.9        | 11.5           | 13.3           |
| 5.5                                  | 18S    | 7.6         | 0.57                      | 9.4         | 19.6           | 22.6           |
|                                      | 22S    | 8.2         | 0.57                      | 9.4         | 16.8           | 19.4           |
|                                      | 26S    | 8.8         | 0.70                      | 11.7        | 18.0           | 20.8           |
|                                      | 30S    | 10.7        | 0.70                      | 11.7        | 12.3           | 14.3           |

Precipitation rates based on half-circle operation

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw

Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.

See page 224 for complete ASAE Test Certification Statement.



5500 Cutaway



5500 Series Nozzles