

| SPRAY PATTERNS                       |             |                |            | SPRAY PATTERNS    |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|--------------------------------------|-------------|----------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|
| Spray Trajectories                   |             |                |            | SPRAY PATTERNS    |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| Angles shown are for reference only. |             |                |            | SPRAY PATTERNS    |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| Filtration                           | Nozzle Size | Pressure (PSI) | Flow (GPH) | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            | Approx. Diameter* |            |
|                                      |             |                |            | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream | High Stream       | Low Stream |
| 150-mesh filtration recommended      | 30 (BLACK)  | 10             | 4.4        | 10                | 9          | 12                | 12         | 10                | 9          | 10                | 11         | 7                 |            | 11                | 8          | 7                 | 4          | 10                | 9          | 7                 | 13         | 10                | 5          | 13                | 5.5        | 8.5               | 11         | 5                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 15             | 5.2        | 12                | 10         | 14                | 16         | 11                | 10         | 11                | 13         | 8                 |            | 13                | 9          | 8                 | 4          | 12                | 10         | 7.5               | 14         | 11                | 5          | 15                | 6          | 9                 | 13         | 6                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 20             | 6.0        | 14                | 10         | 16                | 17         | 12                | 11         | 12                | 15         | 9                 |            | 14                | 9          | 8                 | 4          | 14                | 10         | 8                 | 15         | 13                | 6          | 16                | 7          | 11                | 15         | 7                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 25             | 6.7        | 14                | 11         | 17                | 18         | 13                | 12         | 13                | 17         | 10                |            | 15                | 10         | 8                 | 4          | 14                | 11         | 8.5               | 15.5       | 14                | 6          | 16                | 7.5        | 11.5              | 16         | 8                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 30          | 7.4            | 15         | 11                | 18         | 20                | 13         | 13                | 14         | 18                | 11         |                   | 16         | 10                | 8          | 4                 | 15         | 11                | 9          | 16.5              | 15         | 7                 | 17         | 8                 | 12.5       | 17                | 8          |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 35 (ORANGE) | 10             | 5.9        | 14                | 10         | 15                | 14         | 13                | 10         | 11                | 14         | 8                 |            | 13                | 9          | 8                 | 4          | 14                | 10         | 8                 | 15         | 12                | 6          | 14                | 6.5        | 10                | 14         | 7                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 15             | 7.3        | 16                | 12         | 17                | 17         | 15                | 11         | 12                | 16         | 10                |            | 15                | 10         | 8                 | 4          | 16                | 12         | 8.5               | 15.5       | 14                | 6          | 15                | 7          | 11                | 16         | 8                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 20             | 8.4        | 17                | 13         | 18                | 18         | 16                | 12         | 14                | 18         | 12                |            | 16                | 11         | 8                 | 4          | 17                | 13         | 9                 | 16.5       | 15                | 7          | 17                | 7.5        | 11.5              | 19         | 8                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 25             | 9.4        | 18                | 14         | 19                | 20         | 17                | 13         | 15                | 19         | 13                |            | 17                | 12         | 8                 | 4          | 18                | 14         | 9.5               | 17.5       | 16                | 7          | 18                | 8          | 12.5              | 21         | 9                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 30          | 10.3           | 19         | 15                | 20         | 21                | 18         | 14                | 16         | 20                | 14         |                   | 18         | 12                | 8          | 5                 | 19         | 15                | 10         | 18.5              | 17         | 8                 | 19         | 8.5               | 13         | 23                | 9          |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 40 (BLUE)   | 10             | 7.5        | 15                | 11         | 16                | 17         | 15                | 11         | 12                | 16         | 9                 |            | 14                | 10         | 8                 | 4          | 15                | 11         | 8.5               | 15.5       | 13                | 7          | 15                | 7          | 11                | 14         | 8                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 15             | 9.3        | 17                | 13         | 18                | 18         | 17                | 12         | 13                | 19         | 11                |            | 16                | 11         | 8                 | 4          | 17                | 13         | 9                 | 16.5       | 14                | 8          | 17                | 7.5        | 11.5              | 17         | 9                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 20             | 10.7       | 19                | 15         | 20                | 21         | 19                | 13         | 15                | 21         | 13                |            | 17                | 12         | 8                 | 5          | 19                | 15         | 10                | 18.5       | 16                | 9          | 19                | 8          | 12.5              | 19         | 9                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 25             | 12.0       | 21                | 17         | 22                | 22         | 20                | 14         | 16                | 23         | 14                |            | 18                | 13         | 8                 | 5          | 21                | 17         | 11                | 20.5       | 17                | 9          | 20                | 8.5        | 13                | 20         | 10                |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 30          | 13.1           | 22         | 18                | 24         | 24                | 21         | 15                | 17         | 25                | 15         |                   | 19         | 14                | 9          | 5                 | 22         | 18                | 12         | 22                | 19         | 10                | 21         | 9                 | 14         | 22                | 11         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 45 (VIOLET) | 10             | 10.0       | 17                | 13         | 17                | 18         | 18                | 11         | 14                | 18         | 11                |            | 15                | 12         | 9                 | 5          | 17                | 13         | 9                 | 16.5       | 14                | 8          | 17                | 7.5        | 11.5              | 16         | 9                 |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| 15                                   |             | 12.2           | 20         | 15                | 19         | 20                | 20         | 12                | 15         | 21                | 12         |                   | 16         | 13                | 9          | 5                 | 20         | 15                | 10         | 18.5              | 15         | 9                 | 19         | 8                 | 12.5       | 19                | 11         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| 20                                   |             | 14.1           | 22         | 17                | 21         | 22                | 22         | 14                | 17         | 23                | 14         |                   | 18         | 14                | 9          | 5                 | 22         | 17                | 11         | 20.5              | 17         | 10                | 22         | 9                 | 14         | 22                | 12         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| 25                                   |             | 15.8           | 24         | 19                | 23         | 24                | 24         | 15                | 18         | 25                | 15         |                   | 19         | 15                | 9          | 6                 | 24         | 19                | 12         | 22                | 18         | 11                | 23         | 9.5               | 14.5       | 24                | 13         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| 30                                   | 17.3        | 26             | 21         | 25                | 26         | 25                | 16         | 19                | 27         | 16                |            | 20                | 15         | 9                 | 6          | 26                | 21         | 13                | 24         | 20                | 12         | 25                | 10         | 15.5              | 26         | 14                |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
| 100-mesh filtration recommended      | 50 (GREEN)  | 10             | 11.8       | 20                | 14         | 18                | 19         | 19                | 12         | 14                | 19         |                   |            | 14                | 8          | 5                 | 20         | 14                | 10         | 18.5              | 15         | 10                | 19         |                   |            | 18                | 11         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 15             | 14.4       | 23                | 17         | 20                | 21         | 21                | 13         | 15                | 22         |                   |            | 15                | 8          | 5                 | 23         | 17                | 11         | 20.5              | 17         | 11                | 22         |                   |            | 21                | 13         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 20             | 16.7       | 25                | 19         | 22                | 24         | 22                | 15         | 17                | 25         |                   |            | 16                | 9          | 6                 | 25         | 19                | 12         | 22                | 19         | 13                | 25         |                   |            | 24                | 14         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 25             | 18.6       | 27                | 21         | 24                | 26         | 26                | 16         | 19                | 27         |                   |            | 17                | 9          | 6                 | 27         | 21                | 12.5       | 23                | 21         | 13                | 26         |                   |            | 26                | 15         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 30          | 20.4           | 29         | 23                | 26         | 28                | 28         | 17                | 21         | 29                |            |                   | 18         | 10                | 7          | 29                | 23         | 13                | 24         | 22                | 14         | 28                |            |                   | 28         | 16                |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 55 (YELLOW) | 10             | 13.7       | 21                | 15         | 19                | 21         | 22                | 12         | 15                | 20         |                   |            | 15                | 9          | 5                 | 21         | 15                |            |                   | 16         | 13                | 20         |                   |            | 18                | 11         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 15             | 17.8       | 25                | 18         | 22                | 25         | 24                | 14         | 17                | 24         |                   |            | 17                | 9          | 6                 | 25         | 18                |            |                   | 19         | 15                | 23         |                   |            | 22                | 14         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 20             | 20.5       | 27                | 20         | 26                | 27         | 27                | 16         | 19                | 27         |                   |            | 19                | 9          | 7                 | 27         | 20                |            |                   | 21         | 17                | 26         |                   |            | 25                | 15         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 25             | 22.9       | 29                | 22         | 28                | 28         | 30                | 18         | 20                | 29         |                   |            | 20                | 10         | 7                 | 29         | 22                |            |                   | 23         | 18                | 28         |                   |            | 27                | 17         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 30          | 25.1           | 31         | 24                | 30         | 29                | 32         | 19                | 22         | 32                |            |                   | 21         | 11                | 8          | 31                | 24         |                   |            | 26                | 19         | 30                |            |                   | 29         | 17                |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 60 (RED)    | 10             | 17.0       | 22                | 16         | 24                | 22         | 24                | 13         | 16                | 21         |                   |            | 16                | 10         | 6                 | 22         | 16                |            |                   | 18         | 16                | 21         |                   |            | 19                | 14         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 15             | 20.8       | 26                | 19         | 25                | 25         | 26                | 15         | 19                | 25         |                   |            | 18                | 10         | 7                 | 26         | 19                |            |                   | 22         | 19                | 24         |                   |            | 23                | 15         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 20             | 24.0       | 28                | 22         | 28                | 28         | 29                | 17         | 21                | 29         |                   |            | 19                | 11         | 7                 | 28         | 22                |            |                   | 24         | 22                | 28         |                   |            | 27                | 16         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      |             | 25             | 26.8       | 30                | 24         | 30                | 30         | 32                |            | 23                | 32         |                   |            | 21                | 11         | 8                 | 30         | 24                |            |                   | 26         | 22                | 30         |                   |            | 28                | 20         |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |
|                                      | 30          | 29.4           | 32         | 27                | 33         | 31                | 34         |                   | 25         | 34                |            |                   | 22         | 12                | 8          | 32                | 27         |                   |            | 28                | 23         | 33                |            |                   | 30         | 20                |            |                   |            |                   |            |                   |            |                   |            |                   |            |                   |            |

Flows of complete Fan-Jet sprinkler assemblies may vary; please consult factory. We cannot guarantee flows of these heads when used with components not manufactured by Bowsmith.

Filtration recommendations for Bowsmith Fan-Jets are intended as a guideline only and are not a guarantee of product performance. Clogging or excessive wear may result from poor water quality or sources with high silt or organic content. Chemicals intended for use with this product should first be tested for compatibility. Consult your irrigation dealer to ensure appropriate system design for these conditions.

\* Pattern dimension data shown in feet, with 6" riser height.  
 † Pattern dimension data shown in feet, with 18" spray head height.  
 These patterns (diagrammed in green) are designed for inverted operation, suspended from an overhead supply line.  
 Marked combinations not recommended. Flow rate may be too high for accurate wetting pattern.