

**Targeted Trees per Acre per Diameter (DBH) Class with Various “Q” Factors and Maximum Tree Diameters (Desired Residual Stocking is 85 Square Feet per Acre)\***

| DBH Class | Basal Area | Q 1.3          |     | Q 1.5          |     | Q 1.7          |     |
|-----------|------------|----------------|-----|----------------|-----|----------------|-----|
|           |            | Max. Tree Size |     | Max. Tree Size |     | Max. Tree Size |     |
|           |            | 18"            | 24" | 18"            | 24" | 18"            | 24" |
| 2         | 0.02       | 118            | 118 | 118            | 118 | 118            | 118 |
| 4         | 0.09       | 84             | 84  | 84             | 84  | 84             | 84  |
| 6         | 0.20       | 38             | 26  | 58             | 48  | 81             | 73  |
| 8         | 0.35       | 29             | 20  | 39             | 32  | 48             | 43  |
| 10        | 0.55       | 22             | 16  | 26             | 21  | 28             | 25  |
| 12        | 0.79       | 17             | 12  | 17             | 14  | 16             | 15  |
| 14        | 1.07       | 13             | 9   | 12             | 10  | 10             | 9   |
| 16        | 1.40       | 10             | 7   | 8              | 6   | 6              | 5   |
| 18        | 1.77       | 8              | 5   | 5              | 4   | 3              | 3   |
| 20        | 2.18       | ----           | 4   | ----           | 3   | ----           | 2   |
| 22        | 2.64       | ----           | 3   | ----           | 2   | ----           | 1   |
| 24        | 3.14       | ----           | 2   | ----           | 1   | ----           | 1   |
| Totals    |            | 137            | 106 | 165            | 142 | 192            | 176 |

*\* Total values are for the merchantable size (DBH) classes (6" through 24"). Trees per acre values for the 2 and 4 inch size classes were taken from Chapter 40 of the Wisconsin DNR Silviculture Handbook (HB24315.40 and are not factored into the desired stocking levels.)*