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| **Undervine Cover Crops for Vineyards in the North Okanagan1** |
| **Cover Crop** | **Type** |  **Carbon Sequestration** |  **Improve Soil Fertility** |  **Biological Nitrogen Fixation** |  **Reduce Nutrient Loss** |  **Reduce Compaction** |  **Reduce Erosion and Dust** |  **Enhance Aesthetics** |  **Enhanced Biodiversity** |  **Reduce Pest & Disease Pressure** |  **Biofumigation** |  **Weed Suppression** |  **Regulate Vine Growth**  |  **Potential Revenue Generation**  |
| Wheatgrass | Grass | 6 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Fescue (sheep, red, tall) | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 6 | 5 |
| Indian ricegrass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Buffalo grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Canada Blue Grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Blue Grama | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Ryegrass (Itallian, Prennial) | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 6 | 5 |
| Fall rye | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Oats | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Triticale | Grass | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 6 | 5 | 5 |
| Dutch white clover | Legume | **9** | **10** | **10** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Ladino white clover | Legume | **9** | **10** | **10** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |
| Microclover | Legume | **9** | **10** | **10** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |
| Red clover | Legume | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Alsike clover | Legume | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 5 |
| Balansa clover | Legume | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Berseem Clover | Legume | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Persian clover | Legume | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Crimson clover | Legume | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Birdsfoot trefoil | Legume | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **9** | 7 | 7 | **8** | **8** | 7 |
| Purple prairie clover  | Legume | 7 | 7 | 7 | 7 | 7 | 7 | **8** | **8** | 7 | 7 | 7 | 7 | 7 |
| Common vetch | Legume | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 |
| Hairy vetch | Legume | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 4 |
| Lentil | Legume | **9** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |
| Sainfoin | Legume | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Garbanzo beans | Legume | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Field peas | Legume | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Winter peas | Legume | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Tillage Radish | Broadleaf | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Purple top turnip | Broadleaf | **8** | 7 | 7 | **8** | 7 | 7 | **8** | **8** | 7 | 7 | **8** | 7 | 7 |
| Winfred brassica | Broadleaf | **8** | 7 | 7 | **8** | 7 | 7 | **8** | **8** | 7 | 7 | **8** | 7 | 7 |
| White mustard | Broadleaf | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 |
| Winter camelina | Broadleaf | **8** | **8** | 7 | **8** | **8** | **8** | **8** | **8** | **8** | 7 | **8** | **8** | 7 |
| Buckwheat | Broadleaf | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Common yarrow | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | **8** | 7 | 7 | **8** | 7 | 7 |
| Phacelia | Broadleaf | 7 | 7 | 7 | 7 | 7 | **8** | **8** | **8** | 7 | 7 | **8** | **8** | 7 |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 Scores calculated based on spring season, loamy soil, drip and overhead irrigation, and no-till and drill seeding |
|  Scores range from 1 (least effective) to 10 (most effective) |  |  |  |  |  |  |  |
| \*has more combinations of seeding season, seeding type, soil type, and irrigation type |  |

Online Version\*

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| **Undervine Cover Crops for Vineyards in the South Okanagan2** |
| **Cover Crop** | **Type** |  **Carbon Sequestration** |  **Improve Soil Fertility** |  **Biological Nitrogen Fixation** |  **Reduce Nutrient Loss** |  **Reduce Compaction** |  **Reduce Erosion and Dust** |  **Enhance Aesthetics** |  **Enhanced Biodiversity** |  **Reduce Pest & Disease Pressure** |  **Biofumigation** |  **Weed Suppression** |  **Regulate Vine Growth** |  **Potential Revenue Generation**  |
| Wheatgrass | Grass | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Fescue (sheep, red, tall) | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Indian ricegrass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |
| Buffalo grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |
| Canada Blue Grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |
| Blue Grama | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |
| Ryegrass (Itallian, Prennial) | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 4 | 5 |
| Fall rye | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Oats | Grass | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| Triticale | Grass | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 6 | 5 | 5 |
| Dutch white clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |
| Ladino white clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **9** | **8** | **8** | **9** | **8** | **8** |
| Microclover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |
| Red clover | Legume | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Alsike clover | Legume | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 5 |
| Balansa clover | Legume | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Berseem Clover | Legume | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Persian clover | Legume | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Crimson clover | Legume | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Birdsfoot trefoil | Legume | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **7** | **7** | **8** | **8** | **7** |
| Purple prairie clover  | Legume | 6 | 7 | 7 | 7 | 7 | 7 | 7 | **8** | 6 | 6 | 7 | 7 | 6 |
| Common vetch | Legume | **8** | **8** | **8** | **8** | 7 | 7 | 7 | **8** | 7 | 7 | **8** | **8** | 7 |
| Hairy vetch | Legume | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 4 |
| Lentil | Legume | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** |
| Sainfoin | Legume | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Garbanzo beans | Legume | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Field peas | Legume | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 |
| Winter peas | Legume | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 |
| Tillage Radish | Broadleaf | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 5 |
| Purple top turnip | Broadleaf | **8** | **8** | 7 | **8** | **8** | **8** | **8** | **8** | 7 | 7 | **8** | **8** | 7 |
| Winfred brassica | Broadleaf | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| White mustard | Broadleaf | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | 5 |
| Winter camelina | Broadleaf | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 |
| Buckwheat | Broadleaf | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 |
| Common yarrow | Broadleaf | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 |
| Phacelia | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | **8** | 7 | 7 | 7 | 7 | 7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 Scores calculated based on spring season, sandy soil, drip and overhead irrigation, and no-till and drill seeding |
|  Scores range from 1 (least effective) to 10 (most effective) |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Alley Cover Crops for Vineyards in the North Okanagan3** |
| **Cover Crop** | **Type** |  **Carbon Sequestration** |  **Improve Soil Fertility** |  **Biological Nitrogen Fixation** |  **Reduce Nutrient Loss** |  **Reduce Compaction** |  **Reduce Erosion and Dust** |  **Enhance Aesthetics** |  **Enhanced Biodiversity** |  **Reduce Pest & Disease Pressure** |  **Biofumigation** |  **Weed Suppression** |  **Regulate Vine Growth** |  **Potential Revenue Generation**  |
| Wheatgrass | Grass | **8** | **8** | 7 | **8** | **8** | **8** | 7 | 7 | 7 | 7 | **8** | **8** | 7 |
| Fescue (sheep, red, tall) | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **10** | **9** |
| Indian ricegrass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Buffalo grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Canada Blue Grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Blue Grama | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Ryegrass (Itallian, Prennial) | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **10** | **9** |
| Fall rye | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Oats | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Triticale | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Dutch white clover | Legume | **9** | **10** | **10** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** |
| Ladino white clover | Legume | **8** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Microclover | Legume | **8** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Red clover | Legume | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Alsike clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **9** | **9** | **8** | **8** | **9** | **8** | **8** |
| Balansa clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **9** | **9** | **8** | **8** | **9** | **8** | **8** |
| Berseem Clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **9** | **9** | **8** | **8** | **9** | **8** | **8** |
| Persian clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | 7 |
| Crimson clover | Legume | **8** | **9** | **9** | **8** | 7 | 7 | 7 | **8** | 7 | 7 | 7 | 7 | 7 |
| Birdsfoot trefoil | Legume | 7 | **8** | **8** | 7 | 7 | 7 | **8** | **8** | 7 | 7 | **8** | **8** | 7 |
| Purple prairie clover  | Legume | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Common vetch | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **8** | 7 | 7 | **9** | **8** | 7 |
| Hairy vetch | Legume | 7 | **8** | **8** | 7 | 6 | 6 | 6 | 6 | 6 | 6 | **8** | 6 | 6 |
| Lentil | Legume | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | 7 | **8** | **8** | **8** |
| Sainfoin | Legume | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **8** | **8** | **9** | **9** | **8** |
| Garbanzo beans | Legume | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Field peas | Legume | **8** | **8** | **8** | 7 | 7 | 7 | 7 | **8** | 7 | 7 | **8** | **8** | **8** |
| Winter peas | Legume | **8** | **8** | **8** | 7 | 7 | 7 | 7 | **8** | 7 | 7 | **8** | **8** | 7 |
| Tillage Radish | Broadleaf | **9** | **9** | **9** | **10** | **10** | **9** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Purple top turnip | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Winfred brassica | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| White mustard | Broadleaf | 7 | 7 | 7 | **8** | 7 | 7 | **8** | **8** | **8** | **8** | **8** | 7 | 7 |
| Winter camelina | Broadleaf | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 5 |
| Buckwheat | Broadleaf | 7 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 5 |
| Common yarrow | Broadleaf | 7 | 7 | 6 | 7 | 7 | 7 | 7 | **8** | 7 | 7 | 7 | 7 | 7 |
| Phacelia | Broadleaf | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 Scores calculated based on spring season, loamy soil, drip and overhead irrigation, and no-till and drill seeding |
|  Scores range from 1 (least effective) to 10 (most effective) |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Alley Cover Crops for Vineyards in the South Okanagan4** |
| **Cover Crop** | **Type** |  **Carbon Sequestration** |  **Improve Soil Fertility** |  **Biological Nitrogen Fixation** |  **Reduce Nutrient Loss** |  **Reduce Compaction** |  **Reduce Erosion and Dust** |  **Enhance Aesthetics** |  **Enhanced Biodiversity** |  **Reduce Pest & Disease Pressure** |  **Biofumigation** |  **Weed Suppression** |  **Regulate Vine Growth** |  **Potential Revenue Generation**  |
| Wheatgrass | Grass | **8** | **8** | 7 | **8** | **8** | **8** | 7 | 7 | 7 | 7 | **8** | **8** | 7 |
| Fescue (sheep, red, tall) | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Indian ricegrass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Buffalo grass | Grass | **5** | **5** | **5** | **6** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** | **5** |
| Canada Blue Grass | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Blue Grama | Grass | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Ryegrass (Itallian, Prennial) | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Fall rye | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Oats | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Triticale | Grass | **10** | **9** | **9** | **10** | **9** | **10** | **9** | **9** | **9** | **9** | **10** | **9** | **9** |
| Dutch white clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **9** | **8** | **8** | **9** | **8** | **8** |
| Ladino white clover | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **8** | 7 | 7 | **8** | **8** | 7 |
| Microclover | Legume | 7 | **8** | **8** | 7 | 7 | 7 | **8** | **8** | 7 | 7 | **8** | 7 | 7 |
| Red clover | Legume | 7 | **8** | **8** | 7 | 7 | 7 | **8** | **8** | 7 | 7 | **8** | 7 | 7 |
| Alsike clover | Legume | 7 | **8** | **8** | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 |
| Balansa clover | Legume | 7 | **8** | **8** | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 |
| Berseem Clover | Legume | 7 | **8** | **8** | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 |
| Persian clover | Legume | 6 | **8** | **8** | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 6 |
| Crimson clover | Legume | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Birdsfoot trefoil | Legume | 7 | **8** | **8** | 7 | 7 | 7 | **8** | **8** | 7 | 7 | 7 | 7 | 7 |
| Purple prairie clover  | Legume | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Common vetch | Legume | **8** | **9** | **9** | **8** | **8** | **8** | **8** | **8** | 7 | 7 | **8** | **8** | 7 |
| Hairy vetch | Legume | 7 | **8** | **8** | 7 | 6 | 6 | 6 | 6 | 6 | 6 | **8** | 6 | 6 |
| Lentil | Legume | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | 7 | **8** | **8** | **8** |
| Sainfoin | Legume | **9** | **9** | **9** | **8** | **8** | **8** | **9** | **9** | **8** | **8** | **9** | **8** | **8** |
| Garbanzo beans | Legume | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **6** |
| Field peas | Legume | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 |
| Winter peas | Legume | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 |
| Tillage Radish | Broadleaf | **9** | **9** | **8** | **10** | **10** | **9** | **9** | **9** | **9** | **9** | **10** | **9** | **8** |
| Purple top turnip | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Winfred brassica | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| White mustard | Broadleaf | 7 | 7 | 7 | **8** | 7 | 7 | **8** | **8** | **8** | **8** | **8** | 7 | 7 |
| Winter camelina | Broadleaf | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 |
| Buckwheat | Broadleaf | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 5 | 5 |
| Common yarrow | Broadleaf | 7 | 7 | 7 | 7 | 7 | 7 | 7 | **8** | 7 | 7 | **8** | 7 | 7 |
| Phacelia | Broadleaf | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 Scores calculated based on spring season, sandy soil, drip and overhead irrigation, and no-till and drill seeding |
|  Scores range from 1 (least effective) to 10 (most effective) |  |  |  |  |  |  |  |