

## Soil Indicator Weeds

| Common Name      | Botanical Name              | Dry | Wet | Cultivated | Uncultivated | Low N | High N | Low K | High K | Low P | High P | Sand | Clay | Hardpan | Acid | Alkaline | Low Fertility | High Fertility | Salty |   |
|------------------|-----------------------------|-----|-----|------------|--------------|-------|--------|-------|--------|-------|--------|------|------|---------|------|----------|---------------|----------------|-------|---|
| Agrimony         | <i>Artemisia maritima</i>   | X   |     |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |   |
| Aster, sea       |                             |     |     |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       | X |
| Aster, swamp     |                             |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       | X |
| Bellflower       | <i>Campanula</i> sp.        |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |   |
| Bindweed, field  | <i>Convolvulus arvensis</i> |     |     |            |              |       |        |       |        |       |        | X    |      | X       |      |          |               |                |       |   |
| Bindweed, hedge  | <i>Convolvulus sepium</i>   |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |   |
| Bracken, eastern | <i>Pteridium aquifolium</i> |     |     |            |              |       |        | X     |        | X     |        |      |      |         | X    |          |               |                |       |   |
| Buttercups       | <i>Ranunculus acris</i>     |     | X   | X          |              |       |        |       |        |       |        |      |      | X       |      |          |               |                |       |   |

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| Buttercup, creeping       | Ranunculus repens    |     | X   |            |              |       |        |       |        |       |        |      |      | X       |      |          |               |                |       |  |
| Campion                   | Lychnis alba         |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |  |
| Carpetweed                | Mollugo verticillata |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Carrot, wild              | Daucus carota        |     |     |            | X            |       |        |       |        |       |        |      | X    |         |      | X        | X             |                |       |  |
| Catchfly, night-flowering | Silene noctipora     | X   |     |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Cattail                   | Typha latifolia      |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Celandine                 |                      |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Chamomile, corn           | Anthemis arvensis    |     | X   |            |              |       |        | X     |        |       |        |      |      | X       |      | X        |               |                |       |  |



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| Cockle, white  | Lychnis alba               |     |     |            |              |       |        |       |        |       |        | X    |      |         |      |          |               |                |       |
| Coltsfoot      |                            |     | X   |            |              |       |        |       |        |       |        |      | X    |         | X    |          |               |                |       |
| Cornflower     | Centaurea cyanus           |     |     |            |              |       |        |       |        |       |        | X    |      |         |      |          |               |                |       |
| Corn marigold  |                            |     |     |            |              |       |        |       |        |       |        | X    |      | X       |      |          |               |                |       |
| Cotton grasses | Eriophorum sp              |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Daisy, English | Bellis perennis            |     |     |            |              |       |        |       |        |       |        |      | X    |         | X    |          |               |                |       |
| Daisy, ox eye  | Chrysanthemum leucanthemum |     | X   |            | X            |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Dandelion      | Taraxacum vulgare          |     |     | X          |              |       |        |       |        |       |        |      | X    |         | X    |          |               |                |       |



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| Hawkweeds        | Hieracium sp.         |     |     |            |              |       |        |       |        |       |        |      |      |         | X    |          |               |                |       |
| Hellebore, false | Veratrum californicum |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Hemlock, poison  | Conium maculatum      |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Henbane, black   | Hyscyamus niger       |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |
| Henbit           | Camium amplexicaule   |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          | X             |                |       |
| Horehound        | Marrubium vulgare     |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Horsenettle      | Solanum carolinense   |     |     | X          |              |       | X      |       |        |       |        | X    |      |         |      |          |               |                |       |
| Horsetails       | Equisetum sp.         |     | X   |            |              |       |        |       |        |       |        |      | X    |         | X    |          |               |                |       |



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| Lettuce, prickly | Lactuca scariola    |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Lupine           | Lupinus sp.         |     |     |            |              | X     |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Mallow, musk     | Malva moschata      |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Mare's tail      | Erigeron canadensis |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Mayweed          | Anthemis cotula     |     |     |            |              |       |        |       |        |       |        |      | X    |         | X    |          |               |                |       |
| Meadow sweet     | Astilbe sp.         |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Medic, black     | Medicago lupulina   |     |     |            |              | X     |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Milkweed         | Asclepius syriaca   |     |     |            |              |       |        |       |        |       |        |      | X    |         |      |          |               |                |       |

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| Mosses             | Bryophyta sp.      |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Mugwort            | Artemesia vulgaris |     |     |            | X            |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Mullein, common    | Verbascum sp.      |     |     |            | X            |       |        |       |        |       |        |      |      |         | X    |          | X             |                |       |  |
| Mustards           | Brassica sp.       |     |     |            |              |       |        |       |        |       |        |      |      | X       | X    |          |               |                |       |  |
| Nettles, stinging  | Urtica urens       |     | X   | X          |              |       |        |       |        |       |        |      |      |         | X    |          |               |                |       |  |
| Pansy, wild        | Viola sp.          |     |     |            |              |       |        |       |        |       |        |      |      |         | X    |          |               |                |       |  |
| Parsnip, wild      | Sium suave         |     |     |            | X            |       |        |       |        |       |        |      |      |         |      |          | X             |                |       |  |
| Peppergrass, field | Cardaria draba     |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |  |



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| Rape          | Brassica hapus       |     |     |            |              | X     |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Rape, bird    |                      |     |     |            |              |       |        |       |        |       |        |      |      | X       |      |          |               |                |       |  |
| Redshank      | Polygonum periscaria |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Robin, ragged |                      |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Rose family   | Rosa sp.             |     |     |            |              | X     |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Rushes        |                      |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Salad burnet  | Poterium sanguisorba |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |  |
| Salep         |                      |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |  |

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| Scarlet Pimpernel | Anagallis arvensis      |     |     |            |              |       |        |       |        |       |        |      |      |         |      | X        |               |                |       |
| Sea Plantain      |                         |     |     |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                | X     |
| Sedges            | Cyperaceae sp.          |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Shepherd's purse  | Capsella bursa-pastoris |     |     |            |              |       |        |       |        |       |        | X    |      |         |      |          |               |                | X     |
| Silver weed       |                         |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Smartweeds        | Polygonum scabrum       |     | X   |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |
| Sorrel, garden    | Rumex sp.               |     | X   |            |              |       |        |       |        |       |        |      |      |         | X    |          |               |                |       |
| Sorrel, sheep     | Rumex acetosella        |     |     |            |              |       |        |       |        |       |        | X    |      |         | X    |          |               |                |       |

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| Sow thistle      | <i>Sonchus arvensis</i>  |     |     |            |              |       |        |       |        |       |        |      | X    |         | X    |          |               |                |       |  |
| Speedwell        | <i>Veronica sp.</i>      | X   |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Spruge, leafy    | <i>Euphorbia esula</i>   | X   |     |            |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Spurges          | <i>Euphorbia sp.</i>     |     |     | X          |              |       |        |       |        |       |        |      |      |         |      |          |               |                |       |  |
| Spurry, corn     | <i>Spargula arvensis</i> |     |     |            |              |       |        |       |        |       |        | X    |      |         | X    |          |               |                |       |  |
| Stinkweed        | <i>Thlaspi arvense</i>   |     |     |            |              |       |        |       |        |       |        |      |      | X       |      | X        |               |                |       |  |
| Strawberry, wild | <i>Fragaria sp.</i>      |     |     |            |              |       |        |       |        |       |        |      |      |         | X    |          |               |                |       |  |
| Sundews          |                          |     |     |            |              |       |        |       |        |       |        |      |      |         | X    |          |               |                |       |  |



