

SOLUBILITY OF HERBICIDES LABELED FOR USE IN POTATO

| | water solubility ppm (pH 7 25° C) |
|----------------|--------------------------------------|
| Matrix | 7,300 |
| Metribuzin | 1,220 |
| Outlook | 1,174 |
| Sulfentrazone* | 780 |
| Dual Magnum | 488 |
| Eptam | 370 |
| Lorox/Linex | 81 |
| Reflex | 50 |
| Zidua | 3.49 |
| Chateau | 1.78 |
| Sonalan | 0.3 |
| Treflan | 0.3 |
| Prowl H2O | 0.2 |

The greater the value (ppm) relative to that of the other herbicides, the more soluble.

Solubility high to low

Matrix > metribuzin, Outlook > sulfentrazone* > Dual Magnum, Eptam > Linex, Reflex > Zidua, Chateau > Sonalan, Treflan, Prowl H2O

Depending upon soil characteristics, *the more soluble the herbicide, the more available it is for uptake, and the further it can move down in the soil profile.*

*Sulfentrazone solubility at pH 7.5 is 160,000 ppm

