|  |  |
| --- | --- |
| Features\_Fruits and Nuts | Coefficients (RandomForest)\_Fruits and Nuts |
| Yield(tonnes/ha)-1 <= 0.11 | 5.6707901156271046 |
| Herbicides – Urea derivates <= 0.49 | 2.3086961396212518 |
| Herbicides – Phenoxy hormone products <= 0.54 | 1.9016335676613356 |
| Yield(tonnes/ha)-2 <= 0.11 | -0.7625575227762897 |
| Nutrient nitrogen N (total) - tonnes <= 0.54 | 0.6683016702558688 |
| Nutrient potash K2O (total) - tonnes-3 <= 0.64 | 0.6659633190219052 |
| Herbicides – Other <= 0.65 | -0.5610973412871917 |
| Herbicides – Carbamates <= 0.70 | 0.5269220233882566 |
| Herbicides – Bipiridils-1 <= 0.55 | -0.4858698556188848 |
| Herbicides – Phenoxy hormone products-1 <= 0.54 | -0.46793420202348973 |

|  |  |
| --- | --- |
| Features\_Vegetables and Legumes | Coefficients (RandomForest)\_Vegetables and Legumes |
| Yield(tonnes/ha)-1 > 0.16 | 54.483580837556126 |
| 0.02 < Yield(tonnes/ha)-2 <= 0.09 | 12.717703156639741 |
| Herbicides – Phenoxy hormone products-1 <= 0.54 | 8.55516745058256 |
| Fung & Bact – Dithiocarbamates-2 <= 0.45 | 7.391148680805433 |
| Rodenticides – Other <= 0.58 | -6.801607562745904 |
| Nutrient phosphate P2O5 (total) - tonnes-1 <= 0.70 | -6.68302366095691 |
| Fung & Bact – Other-2 <= 0.43 | -6.320621210166871 |
| Nutrient phosphate P2O5 (total) - tonnes <= 0.70 | 5.621961732038906 |
| Yield(tonnes/ha)-3 <= 0.02 | -5.609457856398569 |
| Fung & Bact – Benzimidazoles-1 <= 0.70 | -4.976296815382058 |

|  |  |
| --- | --- |
| Features\_Cereals | Coefficients (RandomForest)\_Cereals |
| 0.60 < Yield(tonnes/ha)-1 <= 0.67 | 1.3715930226933644 |
| Herbicides – Other-1 <= 0.65 | -0.6111418266559623 |
| Herbicides – Urea derivates-1 <= 0.49 | 0.3685267588354007 |
| 0.60 < Yield(tonnes/ha)-2 <= 0.67 | 0.295634347184227 |
| Herbicides – Phenoxy hormone products-3 <= 0.54 | -0.26419593692823107 |
| Fung & Bact – Benzimidazoles-1 <= 0.70 | -0.26067644025534725 |
| Herbicides – Triazines <= 0.43 | -0.2552705638283966 |
| Insecticides – Other-1 <= 0.06 | 0.22650122464259217 |
| Fung & Bact – Other-1 <= 0.43 | -0.21292673438787743 |
| Herbicides – Bipiridils-1 <= 0.55 | -0.19193440989704907 |

|  |  |
| --- | --- |
| Features\_Industrial\_crops | Coefficients (RandomForest)\_Industrial\_crops |
| Yield(tonnes/ha)-1 <= 0.35 | 0.5444530030130499 |
| Herbicides – Phenoxy hormone products-2 <= 0.54 | 0.0712803877663775 |
| Herbicides – Bipiridils-2 <= 0.55 | 0.06022675787013355 |
| Herbicides – Bipiridils-1 <= 0.55 | 0.05867544852649649 |
| Herbicides – Carbamates-2 <= 0.70 | 0.052457332904308464 |
| Nutrient phosphate P2O5 (total) - tonnes-2 <= 0.70 | -0.05209687273528015 |
| Mineral Oils-1 <= 0.63 | 0.05103967731154448 |
| Insecticides – Organo-phosphates-1 <= 0.70 | -0.0508013538415856 |
| Mineral Oils <= 0.63 | -0.04963196579131959 |
| Fung & Bact – Triazoles, diazoles-1 <= 0.59 | 0.0495355171392889 |