|  |  |
| --- | --- |
| Features\_Fruits and Nuts | Coefficients (RandomForest)\_Fruits and Nuts |
| Nutrient phosphate P2O5 (total) - tonnes-1 <= 0.52 | -1.3812150072986322 |
| 0.00 < Spring <= 1.00 | -1.2865057853717239 |
| Insecticides – Other-2 <= 0.39 | -1.0891844129177934 |
| Fall <= 0.00 | 1.0673434639002166 |
| Herbicides – Carbamates <= 0.51 | -0.8919653194596965 |
| Insecticides – Other <= 0.39 | 0.8181085920209166 |
| Fung & Bact – Dithiocarbamates <= 0.51 | -0.6917735135981943 |
| Nutrient nitrogen N (total) - tonnes-1 <= 0.51 | -0.6883572015244555 |
| Herbicides – Phenoxy hormone products <= 0.52 | 0.6611865073768406 |
| Herbicides – Sulfonyl ureas-2 <= 0.50 | 0.6598404234086092 |

|  |  |
| --- | --- |
| Features\_Vegetables and Legumes | Coefficients (RandomForest)\_Vegetables and Legumes |
| Summer > 0.00 | 63.845933109985324 |
| Yield(tonnes/ha)-1 > 0.38 | 8.176638268843197 |
| 0.04 < Yield(tonnes/ha)-2 <= 0.20 | 5.342289725341356 |
| Insecticides – Other-2 <= 0.43 | -2.9496454736585087 |
| Nutrient nitrogen N (total) - tonnes-1 <= 0.51 | -2.8928562791868773 |
| Fall <= 0.00 | -2.8376778328892174 |
| Mineral Oils-2 <= 0.50 | 2.4970586768392153 |
| Rodenticides – Other-1 <= 0.50 | 2.3105609644534595 |
| Insecticides – Organo-phosphates <= 0.51 | -2.24635551857896 |
| Spring <= 0.00 | -2.1359036506222466 |

|  |  |
| --- | --- |
| Features\_Cereals | Coefficients (RandomForest)\_Cereals |
| Summer <= 0.00 | -1.8061538377651285 |
| 0.54 < Yield(tonnes/ha)-1 <= 0.64 | 1.132174516677 |
| 0.00 < Fall <= 1.00 | 0.5491636814454203 |
| Herbicides – Urea derivates-2 <= 0.52 | 0.2544233286937972 |
| Fung & Bact – Other-1 <= 0.50 | 0.21073810390832107 |
| Insecticides – Pyrethroids <= 0.50 | 0.19887225761581828 |
| Fung & Bact – Triazoles, diazoles-2 <= 0.50 | 0.17932207148325793 |
| Herbicides – Bipiridils <= 0.51 | 0.17442800710679388 |
| Fung & Bact – Other <= 0.50 | 0.16616863741600238 |
| Herbicides – Phenoxy hormone products <= 0.53 | -0.1447916362862522 |