

Fields with index 4 for phosphates are; 2368, 9466, and 9060.

Fields with index 3 for phosphates are; 1515, 9995, 4984, 3478, 4470, 1865, 1211, 7992

4470, 3478, 2368 and 9466 are grass fields, usually cut once or twice for silage.

Using RB209, page 228, the offtake for silage at a 25% DM is 1.7kg of phosphate per tonne of fresh material.

Using section 8, page 211 of RB209, the expected yield of this silage is 23 tonnes per hectare of fresh material.

Phosphate offtake for silage (one cut), is $23 \times 1.7 = 39.1\text{kg/tonne}$ of phosphate.

The addition of phosphate from the waste is 10.38kg/ha (OXIDE), so the additions will NOT exceed the offtake of phosphate.

Fields 1515, 9995, 4984 and 9060 are grazed grass fields.

Using RB209, page 228, the offtake for fresh grass at 15-20% DM is 1.4kg of phosphate per tonne of fresh material.

RB209 does not give the offtake of phosphate when the grass is grazed by sheep. We estimate the offtake to be half of what the offtake is when cutting the grass for silage.

Therefore, at a removal rate/yield of 12 tonnes per hectare of fresh material the offtake is:

$12 \times 1.4 = 16.8\text{kg/tonne}$ of phosphate.

The addition of phosphate from the waste is 10.38kg/ha (OXIDE), so the additions of phosphate will again NOT exceed the crop offtake.