LandWISE INCORPORATED

Nutrient Budget - Phosphorus

Date:

Step 1 - Paddock Info

Admin

Grower/Agronomist Name:

Trading Name:

Paddock

Paddock Name:

Area (ha):

Crop

Planted: → Planned Harvest:

Step 2 - Fertiliser Plan

Fertiliser Recommendation

Expected Yield: tonnes/ha

Available Soil P:

=

Phosphorus Required: kg P/ha

Resin P ☐ Depth (cm)

Olsen P ☐ Depth (cm)

If **0kg P/ha**, use **Crop Removal**

Crop Removal: kg P/ha

Fertiliser Applied

Base Fert	%P	× kg/ha	=	kg P/ha
Starter Fert	%P	× kg/ha	=	kg P/ha
Sidedress 1	%P	× kg/ha	=	kg P/ha
Sidedress 2	%P	× kg/ha	=	kg P/ha
Sidedress 3	%P	× kg/ha	=	kg P/ha

TOTAL = kg P/ha

Step 3 - Planned Surplus/Deficit

× **% of Crop Removal**: % → kg P/ha

kg P/ha − kg P/ha

= **P Surplus/Deficit** (*Circle one*): kg P/ha

If Available Soil P is **above optimum**, use only a fraction (e.g. 50 - 80%) of your crop's P removal or maintenance rate to **'mine' soil P**

If Available Soil P is **below optimum**, multiply Fertiliser Required by 120 - 150% to **raise soil P levels** through "capital application"

*If **positive** number, then there is an P **surplus,** and P will **accumulate** in soil*

*If **negative** number, then there is an P **deficit,** and P will be **mined** from soil*

Step 4 - Post Harvest Assessment

Actual Yield: tonnes/ha

Use Nutrient Management Guidelines

Actual Fertiliser Applied: kg P/ha

− **Crop P Removal:** kg P/ha

= **P Surplus/Deficit** (*Circle one*): kg P/ha

Justification:

Sustainable Farming Fund · Ballance · horizons regional council · LandWISE INCORPORATED · Gisborne District Council · Potatoes New Zealand