

## Schedule XXI.

# Records to be kept for nutrient budgeting input into a Farm Environmental Management Plan (Tukituki River Catchment)

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Records to be kept include the information set out below:

- (a) Identification of the land area of the farm.
  - (b) A map or aerial photograph showing the different blocks within the farm.
  - (c) A map of the LUC classifications within the farm and areas within each LUC.
  - (d) A Nutrient Budget including phosphorus loss and nitrogen leaching rates for the whole of farm operation.
  - (e) **Nutrient Budget input and output files that have been prepared in accordance with an industry programme approved by Hawke's Bay Regional Council.** Modelling and/or measurement inputs should as far as practicable be actual results for the farm properties when entered in compliance with Nutrient Budget modelling best practice data input standards. For example inputs should include actual farm soil tests taken within the preceding three years.
  - (f) Annual stocking rate (numbers, types and classes) including a breakdown by stock class for each month.
  - (g) A description of the farm management practices used on each block including (where applicable):
    - (i) Ground cover – pasture, crops, non-grazed areas (including forestry, riparian and tree areas);
    - (ii) Stock management – lambing/calving/fawning dates and percentages, any purchases and sales and associated dates, types and age of stock;
    - (iii) Fertiliser management practices - types, quantities, timing, location and rates of application and details of varying procedures for different blocks;
    - (iv) Winter management of cattle grazed off – including the use of feed pads, grazing off or standoff pads;
    - (v) Crop management practices – area cultivated, method of cultivation, crop types, rotations, timing of sowing and harvesting, resulting use of crop, where and when it is fed out on farm or when it is exported and where to;
    - (vi) Supplementary feed brought onto the farm - feed type, annual tonnage, dry matter content, feed quality, nitrogen content;
    - (vii) Use of nitrification inhibitors and any other verifiable nitrogen leaching inhibitors.
- Advisory Note: Where any of the matters (i) to (vii) have not been implemented on a particular block then that should be stated.
- (viii) The results of any soil tests undertaken on the farm in the previous 36 months.
  - (h) Copies of annual accounts to verify the above information.
  - (i) Copies of invoices or receipts for purchases of stock, fertiliser, supplements imported or exported.
  - (j) Farm animal effluent, pig farm effluent, feed pad and stand-off pad effluent management including:
    - (i) Area of land used for irrigation;
    - (ii) Annual nitrogen loading rate and nitrogen load rate per application;
    - (iii) Instantaneous application rate.
  - (k) Clean water irrigation in terms of areas irrigated, depths of water applied and irrigation systems used.