

Infrastructure and Environment Biosecurity

Howard Davis Farm, La Route de la Trinite
Trinity, Jersey, JE3 5JP
Tel: +44 (0)1534 441600
Fax: +44 (0)1534 441699



PCN and Standard soil nutrient analysis sampling 2025

Contact Information:

Biosecurity Team: biosecurity@gov.je or Tel: 441600 (09:30 - 16:00)

Name:			
Company name: (if applicable)			
Position: (if applicable)			
Address including post code			
Contact number:		Email:	

Important Notes:

- Sample boxes and bags can be collected from the Environment Department.
- Use an auger for sampling to ensure accurate results. Do not use home-made equipment or trowels.
- Augers are available from <https://www.vanwalt.com/> mini gouge auger with thumb piece

Soil Sampling Procedure for Nutrient and Chemical Analysis and Potato Cyst Nematode (PCN)

Using an Auger:

- Walk the field systematically, taking soil cores to a depth of 20-30 cm.
- Use an even grid or an imaginary 'M' and 'W' pattern.
- Avoid areas near gates, fences, drinking troughs, or headlands.
- Remove roots, plant material, or surface organic matter.

Mixing and Packaging:

- Mix the cores evenly in a clean plastic bucket or bag.
 - Transfer them into the measuring container.
 - Ensure samples are correctly packaged and clearly labelled.
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Guidance for Labelling Samples

Soil Nutrient Analysis (NRM Laboratory):

- Fill the white box with approx. 200g of soil.
- Label clearly with:
 - Your name
 - Customer Line
 - Parish Letter and Field Number
 - Sample name
 - Future crop (use crop code from chart on page 5)
 - Past crop (if known, use crop code from chart on page 5)
 - Soil Type (use code A001 for Jersey Royals)

PCN Analysis (NIAB Laboratory):

- Fill the provided bag to the 500g line.
- Label clearly with:
 - Date Sampled
 - Your Name
 - Parish letter and field number (e.g., T123 for Trinity field number 123)

Trace Element Analysis

Short guide to the Trace Chemical tests available upon request

Analysis	Plant available or Total Soil Content	Relevance of Soil Test	Advisory Note Available
Copper (Cu)	Available	High	Yes
Boron (B)	Available	High	Yes
Sodium (Na)	Available	High	Yes
Manganese (Mn)	Available	Medium	Yes
Zinc (Zn)	Available	High	Yes
Iron (Fe)	Available	High	Yes
Cobalt (Co)	Available	Low	Yes
Selenium (Se)	Total	Low	Yes
Calcium (Ca)	Available	Low	Yes
Sulphate (SO ₄)	Available	Medium	Yes
Nitrate-N Ammonia-N*	Available	High	No
Conductivity (Cf)*	Not applicable	High	No

Consent Information

Before signing the form, please read the following consent information carefully. For more details on data handling, visit www.gov.je/howweuseyourinfo.

Your Consent:

- Agree to pay all costs related to soil sampling.
- That this application is made with my authority and the information supplied in this form is accurate to the best of my knowledge; I am aware that it's an offence to knowingly submit false or misleading information.
- I am aware and agree to the information supplied in this form, together with any other accompanying information, being used for the purpose of analysing the sample(s) I have provided.
- To allow the use of the data to populate databases and to develop and maintain island-wide maps that describe the characteristics of local soils.
- I understand that you will not use my personal information for any other purpose, without my permission, unless you are legally required to do so.
- I understand that under Jersey's Data Protection Law I have the right to withdraw my consent to the further processing of my information. However, I understand that this may cause delays in providing sampling results or stop you from dealing with my request to sample soil. (Should you wish to exercise this right please contact us on tel. 441600).

Applicant Declaration:

Signature:		Date:	
Name:			

Sampling charges

Sampling description	Cost	Self-sampling
Soil Nutrient Analysis*	£10.00	free
PCN Sample	£49.00	free
Laboratory Sampling Charge for each field		£20.00

* Refers to 'basic' A001 analysis suite (pH, P, K and Mg). Contact the Biosecurity team for details and costs of other available analysis suites.

Guidance notes

- Please use the following information to assist with the completion of the sampling form and labelling of samples.
- Crop codes for describing past and future cropping re column G and H of the sampling form. Soil type re column E. Straw removal column I and farmyard manure use column J

Soil type

Soil Type	Code
Light – sands etc	1
Medium – Loams	2
Heavy Clays	3
Organic – High OM content	4
Peaty Soil	5

Straw removed re column I of sampling form

- Yes -straw removed
- No – Returned to soil

Farm Yard Manure (FYM) re column J of sampling form

- Indicate whether farmyard manure has been used
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Crop Codes

Crop code	Crop name
Arable and Forage Crops	
PM	Potatoes Main / Jersey Royals
WW	Winter Wheat
SBA	Spring Barley
SO	Spring Oats
BR	Brussel Sprouts
CB	Cabbage
CF	Cauliflowers
CA	Main crop Carrots
ON	Onions
BU	Bulbs
SD	Forage Swedes
FTU	Forage Turnips
ST	Stubble Turnips
Vegetables and Bulbs	
CL	Calabrese
CY	Celery
CO	Courgettes
LK	Leeks
LET	Lettuce
FB	Fodder Beet
MZ	Forage Maize
Fruit, Vines and Hops	
STR	Strawberries
RBV	Raspberries
PRS	Pears
APL	Apples
BLB	Blueberries
Grass	
SI1	Silage 1 st Cut
SI2	Silage 2 nd Cut
SI3	Silage 3 rd Cut
SI4	Silage 4 th Cut
HA	Hay
RS	Grass Reseed
PP	Perm Pasture
GZH	Horse Pasture
GZ	Grazing
