

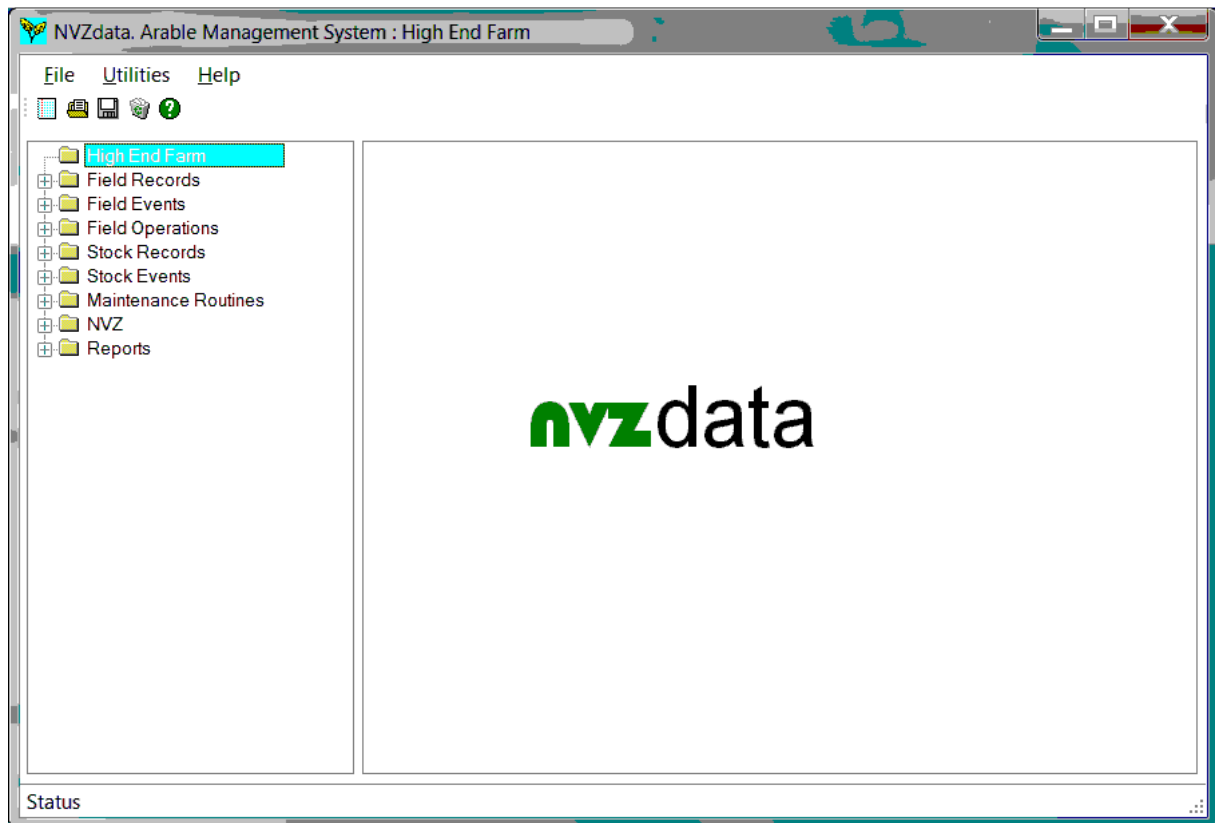
nVZdata

NVZ management
&
recording system
by

farmdata

MANAGEMENT SYSTEMS





To operate **NVZ**data select from the available options, these are:-

Field Records - Where fields are created and their records maintained.

Field Events - Non-costed operations such as allocation of crops into fields, soil analysis, limings etc.

Field Operations - Where planned and completed operations are entered

Stock Records - Stocks items are maintained and created

Stock Events - Entering and updating of stock

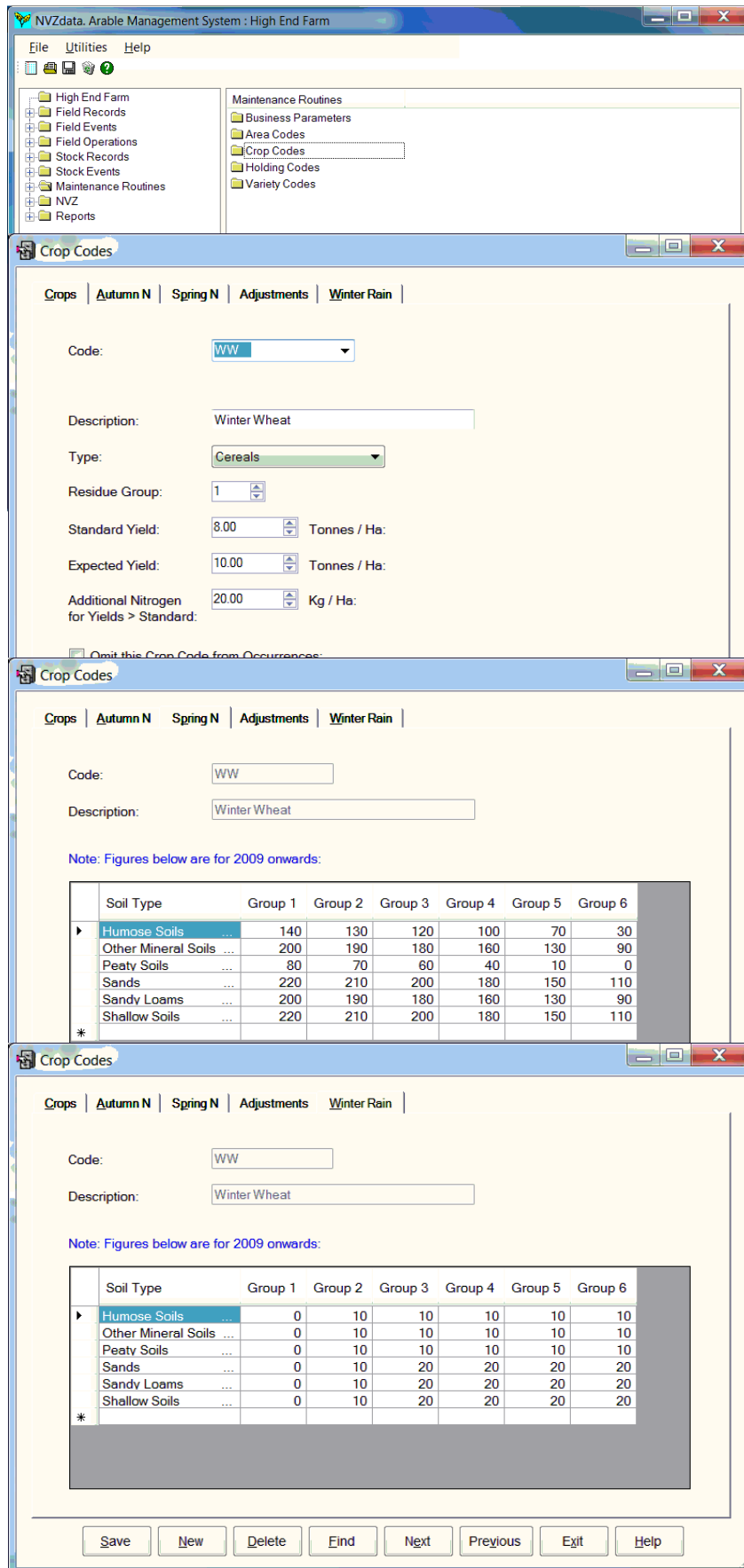
Maintenance - General information about your farm and coding structure

NVZ - NVZ basics to maintain the necessary information for NVZ recording.

Reporting - Powerful and comprehensive reporting on all field and NVZ activities

Maintenance Routines

This section holds the background coding required to operate NVZdata.



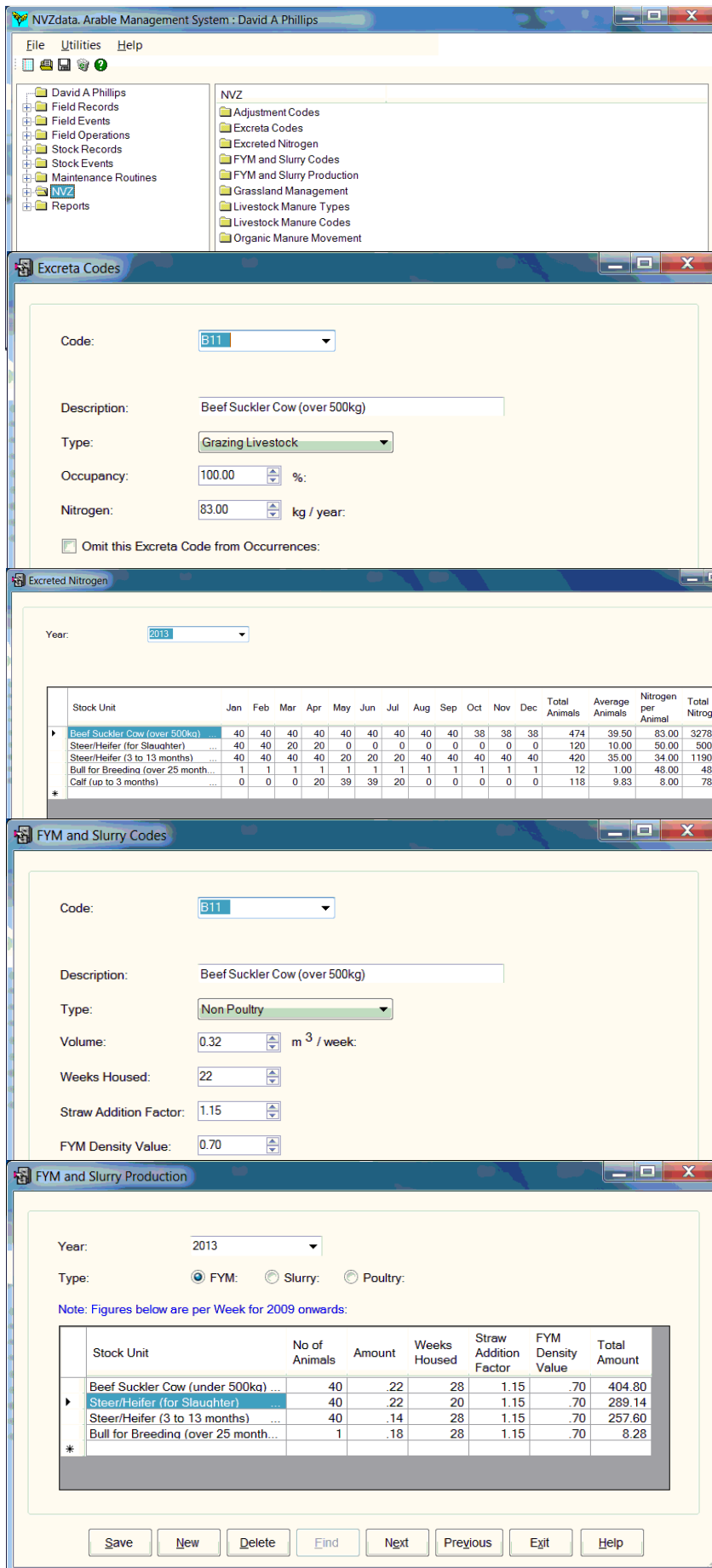
Business Parameters holds the basic detail of the farm, Name, Address, Holding No., Farm Areas and Current Harvest Year.

Crop Code holds vital NVZ data such as Residue Group for the following crop, yield variation adjustments, winter and spring N allowances on different soil types and adjustment information for market and rainfall.

All the figures can be amended as required.

Holding Codes allow users to have more than one holding recorded in a business. These holdings have their own CPH No. Rainfall figures are recorded against the Holding. Reports can be done on a Holding basis if required.

NVZ



The NVZ section holds basic information required to record information and produce the NVZ reports

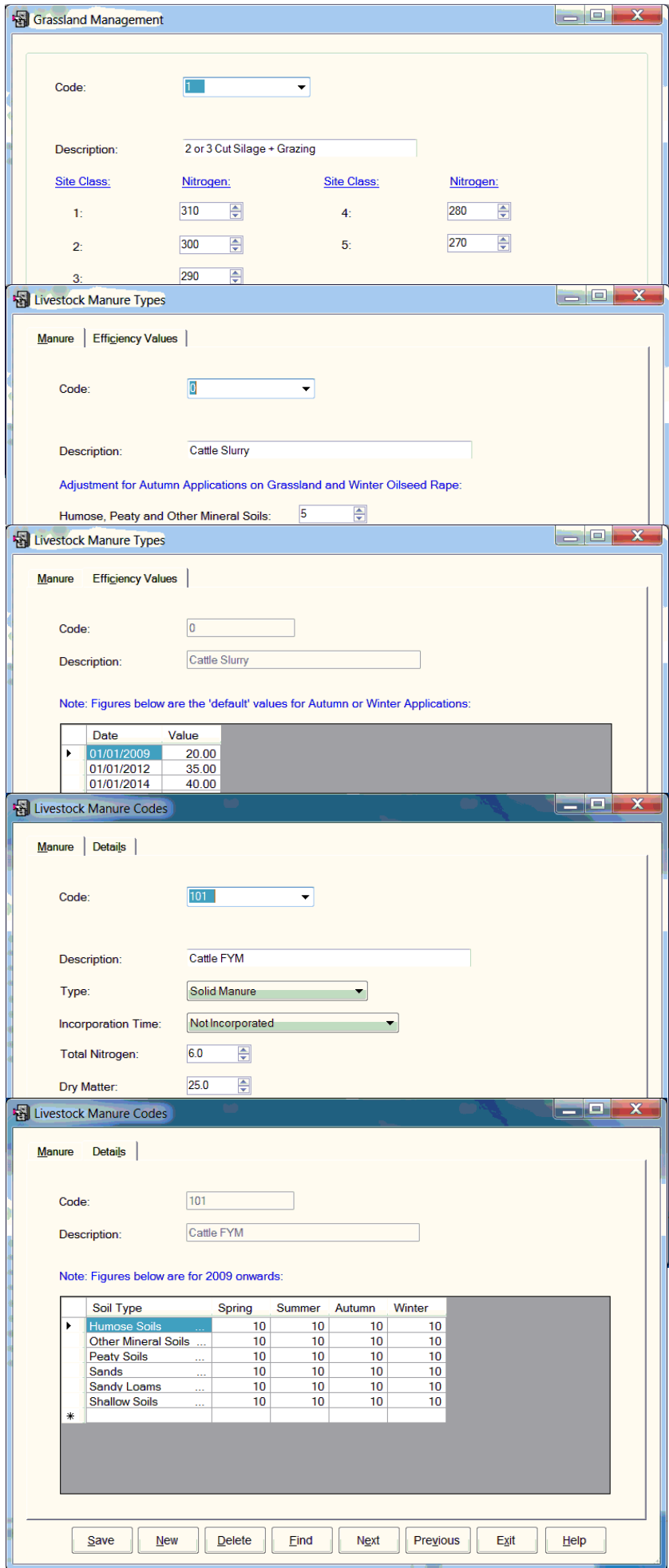
Adjustment codes allow for variations of N according to crop market.

Excreta Codes are the various types of Animal and their annual N production.

Excreted Nitrogen lets you put in animal numbers and calculates total N production for the business.

FYM and Slurry Codes holds the FYM and Slurry volume production for various types of animal.

FYM and Slurry Production lets you put in your animal numbers and works out total volume of FYM and Slurry produced.



Grassland Management holds the N allowances for the various grassland management scenarios. These are used when allocating the grass crop to a field.

Livestock Manure Types. Currently 4 types - Cattle Slurry, Pig Slurry, Poultry Manure and Solid Manure.

The Efficiency Values set the default efficiency value (% on available to the crop) for the manure type when applied in autumn or winter. This over-rides any other values set in the Livestock Manure Codes.

Livestock Manure Codes – This holds the detail of the different FYM and Slurry produced.

Details tab – holds the efficiency values of the manure code on different soil type and application season.

All the codes in these sections can be amended by the user. New codes can be added to reflect the situation in your business.

Field Records - All the information relating to a field is maintained in its record.

Field	Sub	Cropped	Size	Crop	OS No.	OS Sh.	Holding
01		01/04/2013	11.44	Carrots	NO/31900/44...		High End Farm
02		19/03/2013	10.86	Spring Barley	NO/32054/44...		High End Farm
03		01/04/2013	7.89	Carrots	NO/32314/44...		High End Farm
04		19/03/2013	13.88	Spring Barley	NO/32321/44...		High End Farm
05		19/03/2013	10.71	Spring Barley	NO/32459/44...		High End Farm
06		19/03/2013	14.96	Spring Barley	NO/32515/45...		High End Farm
07		01/01/2013	1.49	Grass over 5 years	NO/32633/44...		High End Farm
08		19/03/2013	11.20	Spring Barley	NO/32670/45...		High End Farm
09		01/01/2013	.89	Grass over 5 years	NO/32765/44...		High End Farm
10		01/01/2013	2.99	Grass under 5 years	NO/32831/44...		High End Farm
11		19/03/2013	10.77	Spring Barley	NO/32896/45...		High End Farm
12		19/04/2013	7.80	Ware Potatoes	NO/33090/44...		High End Farm
13		19/03/2013	12.79	Spring Barley	NO/33372/44...		High End Farm
14		19/03/2013	11.08	Ware Potatoes	NO/33519/44...		High End Farm
15		01/01/2013	4.81	Grass under 5 years	NO/33765/44...		High End Farm
16		01/01/2013	14.20	Grass under 5 years	NO/34017/44...		High End Farm
17		01/01/2013	14.15	Grass over 5 years	NO/34135/44...		High End Farm
18		01/01/2013	6.14	Grass under 5 years	NO/34197/44...		High End Farm
EN01		01/04/2013	12.39	Ware Potatoes	NO/32666/44...		North End
EN02		19/03/2013	10.43	Spring Barley	NO/32860/44...		North End
EN03		19/03/2013	8.07	Spring Barley	NO/32952/44...		North End
EN04		01/01/2013	.41	Grass over 5 years	NO/33008/44...		North End
EN05		19/03/2013	15.79	Spring Barley	NO/33042/43...		North End

A list of fields is displayed and these can be listed in order of any of the options at the top of the list.

Selecting a field to look at more detail is a simple matter of clicking on it and all the details of that field will become available.

Field: 02

Sub Field:

Type: Current

Size: 10.86 Ha

Second Units: (Please Select) Add

Size: 0.00

OS Number: NO/32054/44779

OS Map Sheet:

Holding: High End Farm Add

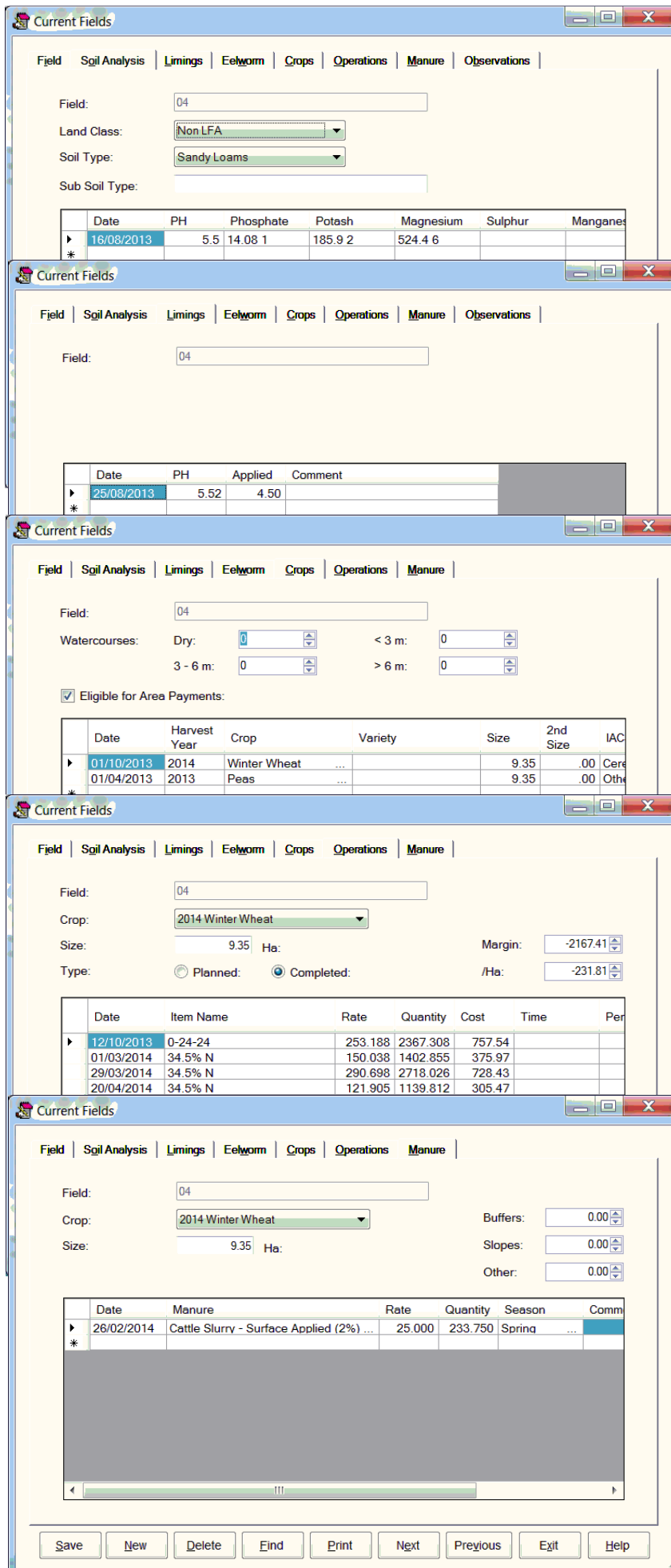
Comment:

Buttons: Save, New, Delete, Find, Print, Next, Previous, Exit, Help

The initial page of a record shows the basic detail of the field.

Fields can be identified by Name or Number.

Size is the OS declared area. OS Number and Holding are desirable.



The tab sections of the field records hold all the information recorded on that field.

Soil Type, important for NVZ recording, is available.

Soil Analysis results, Limings and Eelworm Test results build up over time and are maintained for as long as you require.

Water Course information can be entered.

Cropping History is maintained, Start Date, Harvest Year, Crop Variety, Crop Size, Expected Yield, Harvest Date are recorded. NVZ Requires that the two crops be entered initially, the current crop and the previous crop.

Inorganic fertilizer operations on each Crop is recorded. This includes Rates and Costs.

The Manure section has a record of all the Organic Manure spread on each crop.

Unspreadable areas can also be logged on the Manure tab.

Stock Records

The screenshot displays the NVZdata Arable Management System interface. The top window shows a list of stock items:

Item	Category	Sub Category	Units	On Hand	Commit
0-24-24	Fertiliser	Compound ...	Kgs	.000	.000
20-10-10	Fertiliser	Compound ...	Kgs	.001	.000
34.5% N	Fertiliser	Nitrogen	Kgs	7.401	.000
8-24-24	Fertiliser	Compound ...	Kgs	.000	.000

The middle window shows the 'Current Items' form with the following fields:

- Name: 20-10-10
- Type: Current
- Category: Fertiliser
- Sub Category: Compound
- Units: Kilogrammes
- Standard Size: 1000.00
- Description: Tonnes
- Adjusted Cost: 292.00
- Stock on Hand: 0.001
- Committed Stock: 0.000

The bottom window shows the 'Current Items' analysis table:

Name	Nitrogen	Phosphate	Potash	Sulphur
20-10-10	20.00	10.00	10.00	0.00

The bottom-most window shows the 'Current Items' receipt table:

Date	Quantity	Cost	Supplier
25/02/2014	18.000	292.00	Fert Co.

Inorganic Fertiliser stock items are defined and maintained in Stock Records.

Fertiliser is the only category available in NVZdata

Sub Categories may also be used. Ferts may be divided into Nitrogen, Compound etc.

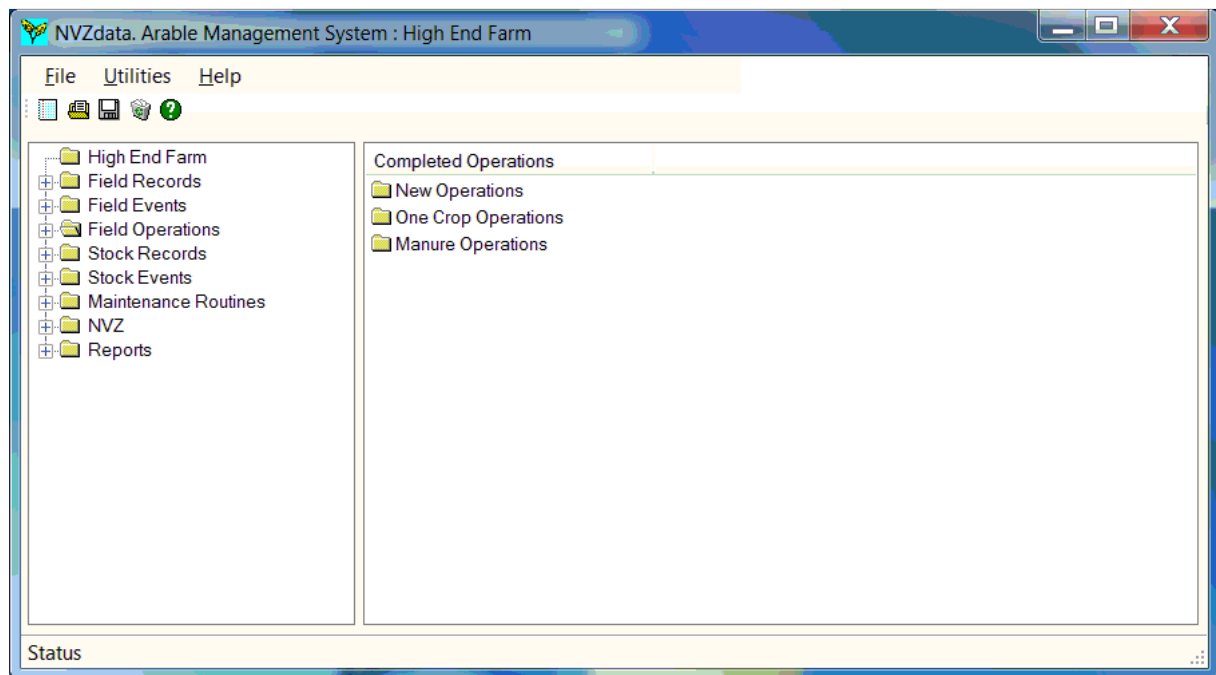
Each Item is named, and the application units and purchase unit set, the standard size is the multiplier from the application unit to the purchase unit.

Analysis for Fertilisers should be entered to give accurate application rates of the elements.

Receipts maintains the record of purchases of each item.

Cost is maintained on a weighted average of the purchase price.

Field Operations



The entry of operations is designed to be as simple, and as fast as is possible and where appropriate groups of fields can be treated together saving time. The operations can be either planned or completed and within these options the choices are:

New Operations This option allows you to select the fields you are working on irrespective of crop or variety.

One Crop Operation The choice of available fields is limited to crop and if required variety. (as in the following example)

Manure operations Recording of the application of organic manure on to the fields for NVZ reporting.

Once Crop Operation

Field Name	SF	Area	Crop
04		13.88	Spring Barley
05		10.71	Spring Barley
06		14.96	Spring Barley
08		11.20	Spring Barley
11		10.77	Spring Barley
13		12.79	Spring Barley
EN02		10.43	Spring Barley
EN03		8.07	Spring Barley
EN05		15.79	Spring Barley
EN06		11.18	Spring Barley
EN07	B	6.00	Spring Barley

This is an example of a one crop entry.

The application date is set. The selected crop is Spring Barley with all varieties.

The item to be applied is Nitrogen. At this point of entry, you can create a new stock item by clicking the Add button. This allows you to create the basic information on a new stock item on the fly.

Rate or Quantity can be selected. Enter the Rate and the system will work out the Total applied to the fields and take it out of stock. Enter the Total applied and the system will work out the Rate. Entering totals where possible gives more accurate stock records.

The Harvest Year can be selected. This allows an overlap in crops if you have not completed the entries for one before you start the next.

Click on Select and all the fields will be highlighted for treatment. Click on any to deselect them. Alternatively, only click on those to be treated. Rate or Quantity will change as you select and deselect fields. Click Save and the selected fields will be treated.

The **Refresh** button will bring back all available fields and the **Restore** button will bring back only the previous selected fields.

The entry box also shows how many fields have been selected, the price of the item and the current stock available.

Manure Operation

Manure Operations

Details

Date: 26/02/2014

Season: Spring

Manure: Cattle FYM - [Not Incorporated]

Comment:

Rate: 15.000 T/Ha

Quantity: 548.400 Tonnes

Fields

By Holding: High End Farm

Harvest Year: 2014

Selected: 3 Available: 32 Total: 35

Field Name	SF	Area	Crop
01		11.23	Carrots
02		10.62	Spring Barley
03		7.89	Carrots
04		13.64	Spring Barley
05		10.71	Spring Barley
06		13.91	Spring Barley
07		1.49	Grass over 5 years
08		10.13	Spring Barley
09		.48	Grass over 5 years
10		2.79	Grass under 5 years
11		10.48	Spring Barley
12		7.56	Ware Potatoes
13		12.79	Spring Barley

Save Select End Print Restore Refresh Exit Help

NVZ Reports

Reports

- Spreading Land, Loading (Table 1):
- Average Stocking Records (Table 3):
- Nmax for Arable Crops (Table 8):
- Livestock Manure Applications (Table 9):
- Nmax for Grassland (Table 10):
- Field Record Sheet (Table 11):
- Annual Fertiliser Inventory (Table 12):
- Organic Manures - Imports/Exports (Table 13):
- Nmax for WOSR (Table 16):
- Slurry Production (Table A):
- Poultry Manure (Table N):
- FYM Production (Table Q):

Limits

By Holding:

Start: High End Farm

End: North End

Harvest Year: 2014

Limits

Display Print Exit Help

Ticking the By Holding Box will allow for selection of one or more holdings rather than the business as a whole.

Limits lets you limit to a field or range of fields and/or a crop or range of crops.

Examples of the reports follow.

**High End Farm
Spreading Land & Field Loading (Table 1)**

Date: 26/06/14

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<u>Field Name</u>	<u>Sub</u>	<u>Field Area</u>	<u>Ditches and Watercourses Length</u>	<u>Ditches and Watercourses Area</u>	<u>Other Red Areas</u>	<u>Unavail Areas</u>	<u>Spread Area</u>	<u>Field Limit</u>
01		11.44	210.00	0.21	0.00	0.00	11.23	2807.50
02		10.86	240.00	0.24	0.00	0.00	10.62	2655.00
03		7.89	0.00	0.00	0.00	0.00	7.89	1972.50
04		13.88	240.00	0.24	0.00	0.00	13.64	3410.00
05		10.71	0.00	0.00	0.00	0.00	10.71	2677.50
06		14.96	1050.00	1.05	0.00	0.00	13.91	3477.50
07		1.49	0.00	0.00	0.00	0.00	1.49	372.50
08		11.20	1070.00	1.07	0.00	0.00	10.13	2532.50
09		0.89	0.00	0.00	0.00	0.41	0.48	120.00
10		2.99	200.00	0.20	0.00	0.00	2.79	697.50
11		10.77	290.00	0.29	0.00	0.00	10.48	2620.00
12		7.80	240.00	0.24	0.00	0.00	7.56	1890.00
13		12.79	0.00	0.00	0.00	0.00	12.79	3197.50
14		11.08	450.00	0.45	0.00	0.00	10.63	2657.50
15		4.81	0.00	0.00	0.00	0.00	4.81	1202.50
16		14.20	490.00	0.49	0.00	0.00	13.71	3427.50
17		14.15	0.00	0.00	0.00	0.00	14.15	3537.50
18		6.14	0.00	0.00	0.00	0.00	6.14	1535.00
EN01		12.39	500.00	0.50	0.00	0.00	11.89	2972.50
EN02		10.43	0.00	0.00	0.00	0.00	10.43	2607.50
EN03		8.07	0.00	0.00	0.00	0.00	8.07	2017.50
EN04		0.41	100.00	0.10	0.31	0.00	0.00	0.00
EN05		15.79	900.00	0.90	0.00	0.00	14.89	3722.50
EN06		11.18	0.00	0.00	0.00	0.00	11.18	2795.00
EN07	A	6.78	0.00	0.00	0.00	0.00	6.78	1695.00
EN07	B	6.00	100.00	0.10	0.00	0.00	5.90	1475.00
EN08		10.32	300.00	0.30	0.00	0.00	10.02	2505.00
EN09		5.52	0.00	0.00	0.00	0.00	5.52	1380.00
EN10		6.04	240.00	0.24	0.00	0.00	5.80	1450.00
EN11		5.91	0.00	0.00	0.00	0.00	5.91	1477.50
EN12		6.07	500.00	0.50	0.00	0.00	5.57	1392.50
EN13		6.97	0.00	0.00	0.00	0.00	6.97	1742.50
EN14		29.66	0.00	0.00	5.60	0.00	24.06	6015.00
EN15		9.14	0.00	0.00	0.00	0.00	9.14	2285.00
EN16		15.45	0.00	0.00	2.18	0.00	13.27	3317.50
Totals		334.18	7120.00	7.12	8.09	0.41	318.56	79640.00

Loading Limit for Livestock Manure 56810.60 kg

High End Farm
Annual Fertiliser Inventory (Table 12)

Date: 26/06/14

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Harvest Year: 2013

<u>Item Name</u>	<u>Opening Stock</u>	<u>Purchases</u>	<u>Usage</u>	<u>Closing Stock</u>
12-11-18	0.000	50.000	45.313	4.687
20-10-10	0.000	60.000	0.000	60.000
Ammonium Nitrate	0.000	56.000	25.824	30.176
Ammonium Sulphate	0.000	80.000	65.326	14.674
CAL	0.000	8.000	7.742	0.258

Total of 5 Items Listed.

**High End Farm
Average Stocking Records (Table 3)**

Date: 26/06/14

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Harvest Year: 2013

<u>Code</u>	<u>Description</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Total</u>	<u>Average</u> <u>Animals</u>	<u>Nitrogen</u> <u>per Head</u>	<u>Total</u> <u>Nitrogen</u>
B12	Beef Suckler Cow (up to 500kg)	85	85	85	85	85	85	85	85	85	85	85	85	1020	85.00	61.00	5185.00
B16	Steer/Heifer (3 to 13 months)	0	0	0	0	0	40	80	80	80	80	0	0	360	30.00	34.00	1020.00
B18	Bull for Breeding (over 25 months)	2	2	2	2	2	2	2	2	2	2	2	2	24	2.00	48.00	96.00
B20	Calf (up to 3 months)	0	0	40	80	80	40	0	0	0	0	0	0	240	20.00	8.00	160.00
S13	Lamb (from 6 to 9 months)	100	0	0	0	0	0	0	0	150	500	400	200	1350		2.00	225.00
Totals																	6686.00

**High End Farm
Nmax for Arable Crops (Table 8)**

Spring Barley

Standard Yield: 5.5 t/ha

Average Yield for this crop on this farm: 6.5 t/ha

<u>Field Name</u>	<u>SF</u>	<u>Crop Prev Area Crop</u> <u>ha</u>	<u>Soil Type</u>	<u>Standard N Rate</u> <u>kg N /ha</u>	<u>-- Adjustments --</u> <u>Yield</u> <u>kg N /ha</u>	<u>Market</u> <u>kg N /ha</u>	<u>- Adjusted Nmax -</u> <u>N Rate</u> <u>kg N /ha</u>	<u>Total N</u> <u>kg</u>	<u>N from Organic</u> <u>kg</u>	<u>N from Manufact</u> <u>kg</u>	<u>Winter Rainfall</u> <u>kg /ha</u>	<u>N to be Applied</u> <u>kg</u>	<u>N to be Applied</u> <u>kg /ha</u>
04		13.88 WW	SL	130	15	0	145	2013	545	1468	0	1468	106
05		10.71 SB	SL	130	15	0	145	1553	0	1553	0	1553	145
08		11.20 SB	SL	130	15	0	145	1624	304	1320	0	1320	118
11		10.77 SB	SL	130	15	0	145	1562	314	1248	0	1248	116
12		7.80 SB	SL	130	15	0	145	1131	181	950	0	950	122
13		12.79 SB	SL	130	15	0	145	1855	0	1855	0	1855	145
14		11.08 SB	SL	130	15	0	145	1607	0	1607	0	1607	145
EN01		12.39 WB	SL	130	15	0	145	1797	0	1797	0	1797	145
EN05		15.79 SB	SL	130	15	0	145	2290	372	1918	0	1918	121
EN06		11.18 SB	SL	130	15	0	145	1621	0	1621	0	1621	145
EN07	A	6.78 WW	SL	130	15	0	145	983	0	983	0	983	145
Totals								18034	1716	16318	Nmax	16318	

Ware Potatoes

Standard Yield: 0.0 t/ha

Average Yield for this crop on this farm: 0.0 t/ha

<u>Field Name</u>	<u>SF</u>	<u>Crop Prev Area Crop</u> <u>ha</u>	<u>Soil Type</u>	<u>Standard N Rate</u> <u>kg N /ha</u>	<u>-- Adjustments --</u> <u>Yield</u> <u>kg N /ha</u>	<u>Market</u> <u>kg N /ha</u>	<u>- Adjusted Nmax -</u> <u>N Rate</u> <u>kg N /ha</u>	<u>Total N</u> <u>kg</u>	<u>N from Organic</u> <u>kg</u>	<u>N from Manufact</u> <u>kg</u>	<u>Winter Rainfall</u> <u>kg /ha</u>	<u>N to be Applied</u> <u>kg</u>	<u>N to be Applied</u> <u>kg /ha</u>
02		10.86 SB	SL	225	0	0	225	2444	0	2444	0	2444	225
06		14.96 SB	SL	225	0	0	225	3366	0	3366	0	3366	225
EN02		10.43 SB	SL	225	0	0	225	2347	261	2086	0	2086	200
Totals								8156	261	7895	Nmax	7895	

Winter Wheat

Standard Yield: 8.0 t/ha

Average Yield for this crop on this farm: 10.0 t/ha

<u>Field Name</u>	<u>SF</u>	<u>Crop Prev Area Crop</u> <u>ha</u>	<u>Soil Type</u>	<u>Standard N Rate</u> <u>kg N /ha</u>	<u>-- Adjustments --</u> <u>Yield</u> <u>kg N /ha</u>	<u>Market</u> <u>kg N /ha</u>	<u>- Adjusted Nmax -</u> <u>N Rate</u> <u>kg N /ha</u>	<u>Total N</u> <u>kg</u>	<u>N from Organic</u> <u>kg</u>	<u>N from Manufact</u> <u>kg</u>	<u>Winter Rainfall</u> <u>kg /ha</u>	<u>N to be Applied</u> <u>kg</u>	<u>N to be Applied</u> <u>kg /ha</u>
01		11.44 WPOT	SL	190	40	0	230	2631	0	2631	0	2631	230
03		7.89 WPOT	SL	190	40	0	230	1815	355	1460	0	1460	185
EN03		8.07 WPOT	SL	190	40	0	230	1856	212	1644	0	1644	204
Totals								6302	567	5735	Nmax	5735	

**High End Farm
Nmax for Grassland (Table 10)**

Date: 26/06/14

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<u>Field Name</u>	<u>SF</u>	<u>Grass Area</u> <u>ha</u>	<u>Site Class</u>	<u>Intended Use</u>	<u>Standard N Rate</u> <u>kg N /ha</u>	<u>Total Nitrogen</u> <u>kg</u>	<u>N from Organic</u> <u>kg</u>	<u>N from Manufact</u> <u>kg</u>	<u>N from Manufact</u> <u>kg /ha</u>
07		1.49	2	1 Cut Silage + Grazing	270	402	0	402	270
09		0.89	2	Grazing with Low Clover	260	231	0	231	260
10		2.99	2	Grazing with Low Clover	260	777	0	777	260
15		4.81	2	Grazing with Low Clover	260	1251	0	1251	260
16		14.20	2	2 or 3 Cut Silage + Grazing	300	4260	0	4260	300
17		14.15	2	2 or 3 Cut Silage + Grazing	300	4245	0	4245	300
18		6.14	2	Grazing with Low Clover	260	1596	0	1596	260
EN04		0.41	2	Grazing with Low Clover	260	107	0	107	260
EN07	A	6.78	2	Grazing with Low Clover	260	1763	0	1763	260
EN08		10.32	2	Grazing with Low Clover	260	2683	0	2683	260
EN10		6.04	2	Grazing with Low Clover	260	1570	0	1570	260
EN11		5.91	2	Grazing with Low Clover	260	1537	0	1537	260
EN12		6.07	2	Grazing with Low Clover	260	1578	0	1578	260
EN13		6.97	2	Grazing with Low Clover	260	1812	0	1812	260
EN14		29.66	2	Grazing with Low Clover	260	7712	0	7712	260
EN16		15.45	2	Grazing with Low Clover	260	4017	0	4017	260
Totals						35542	0	35542	

**High End Farm
Field Record Sheet (Table 11)**

Date: 26/06/14

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Harvest Year: 2013

**Winter Wheat
01**

SL	11.44 Ha	NO/31900/44621		
	----- Inorganic Nitrogen -----			
<u>Date Applied</u>	<u>Date Sown</u>	<u>Description</u>	<u>Rate kg /ha</u>	<u>Total N Applied</u>
15/04/13 Winter Wheat	01/10/12	Ammonium Nitrate	500.00	1916.20
15/05/13 Winter Wheat	01/10/12	Ammonium Sulphate	250.00	600.60
Limit:	230.00	Actual N:	220.00	Total N: 2516.80

11.23 Ha	----- Organic Nitrogen -----			
<u>Man Ref</u>	<u>Nitrogen Analysis</u>	<u>Rate / Ha</u>	<u>Total N Applied</u>	<u>Field Limit (250)</u>

03

SL	7.89 Ha	NO/32314/44353		
	----- Inorganic Nitrogen -----			
<u>Date Applied</u>	<u>Date Sown</u>	<u>Description</u>	<u>Rate kg /ha</u>	<u>Total N Applied</u>
21/02/13 Winter Wheat	01/10/12			
15/04/13 Winter Wheat	01/10/12	Ammonium Nitrate	506.97	1340.00
Limit:	185.00	Actual N:	169.84	Total N: 1340.00

7.89 Ha	----- Organic Nitrogen -----			
<u>Man Ref</u>	<u>Nitrogen Analysis</u>	<u>Rate / Ha</u>	<u>Total N Applied</u>	<u>Field Limit (250)</u>
16	25.00	6.00	1183.50	
			1183.50	1972.50

EN03

SL	8.07 Ha	NO/32952/44553		
	----- Inorganic Nitrogen -----			
<u>Date Applied</u>	<u>Date Sown</u>	<u>Description</u>	<u>Rate kg /ha</u>	<u>Total N Applied</u>
01/09/12 Winter Wheat	01/10/12			
15/04/13 Winter Wheat	01/10/12	Ammonium Nitrate	500.00	1351.73
15/05/13 Winter Wheat	01/10/12	Ammonium Sulphate	250.00	423.68
Limit:	204.00	Actual N:	220.00	Total N: 1775.40

8.07 Ha	----- Organic Nitrogen -----			
<u>Man Ref</u>	<u>Nitrogen Analysis</u>	<u>Rate / Ha</u>	<u>Total N Applied</u>	<u>Field Limit (250)</u>
4	5.00	15.00	605.25	
			605.25	2017.50

Total Winter Wheat

Nmax: 5735.00 Total N: 5632.20

Totals

5632.20 1788.75

**High End Farm
Autumn N on WOSR (Table 16)**

Date: 26/06/14
Page 1 of 1

<u>Field Name</u>	<u>SF</u>	<u>Crop Prev Area Crop ha</u>	<u>Standard N Rate kg N /ha</u>	<u>N to be Applied kg</u>
IM 05 Cotter		10.17 WB	30.00	305.10
IM 06 North Eat Bank		5.10 WB	30.00	153.00
LM 02		5.13 SB	30.00	153.90
LM 05		5.06 SB	30.00	151.80
NG 10		9.51 WB	30.00	285.30
Totals		34.97	150.00	1049.10

**High End Farm
FYM Production (Table Q)**

Date: 26/06/14

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Harvest Year: 2013

<u>Code</u>	<u>Description</u>	<u>No of Animals</u>	<u>Excreta per Head per Week</u>	<u>Weeks Housed</u>	<u>Straw Addition Factor</u>	<u>FYM Density Value</u>	<u>Total Manure</u>
B11	Beef Suckler Cow (over 500kg)	85	0.32	24	1.15	0.70	1072.46
B18	Bull for Breeding (over 25 months)	2	0.18	24	1.15	0.70	14.19
B20	Calf (up to 3 months)	60	0.05	8	1.15	0.70	39.43
Totals							1126.08

High End Farm
Slurry Production (Table A)

Date: 26/06/14

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Harvest Year: 2013

<u>Code</u>	<u>Description</u>	<u>No of Animals</u>	<u>Nitrogen per Head</u>	<u>Weeks Housed</u>	<u>Total Nitrogen</u>
B11	Beef Suckler Cow (over 500kg)	210	0.32	27	1814.40
B17	Bull Beef (3 months and over)	110	0.18	52	1029.60
Totals					2844.00

High End Farm
Livestock Manure Applications (Table 9)

Date: 26/06/14
Page 1 of 1

<u>Field Name</u>	<u>SF</u>	<u>Soil Type</u>	<u>Man Ref</u>	<u>Total N</u> <u>kg/t</u>	<u>Season</u>	<u>% N Spring</u>	<u>Size</u> <u>ha</u>	<u>Amount Applied</u> <u>t</u>	<u>Rate Applied</u> <u>t/ha</u>	<u>Available N</u> <u>Next Crop</u> <u>kg/ha</u>
02		SL	1	6.00	Winter	10.00	10.62	212.40	20.00	12.00
02		SL	16	25.00	Spring	30.00	10.62	74.34	7.00	52.50
04		SL	16	25.00	Spring	30.00	13.64	95.48	7.00	52.50
05		SL	16	25.00	Spring	30.00	10.71	74.97	7.00	52.50
06		SL	16	25.00	Spring	30.00	13.91	97.37	7.00	52.50
08		SL	16	25.00	Spring	30.00	10.13	70.91	7.00	52.50
11		SL	4	5.00	Spring	20.00	10.48	209.60	20.00	20.00
EN02		SL	16	25.00	Spring	30.00	10.43	73.01	7.00	52.50
EN05		SL	16	25.00	Spring	30.00	14.89	104.23	7.00	52.50
EN06		SL	16	25.00	Spring	30.00	11.18	78.26	7.00	52.50