8 | BLANK TABLES

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This booklet contains blank copies of the tables you require to complete for your annual Fertiliser and Manure Management Plan.

You may photocopy the tables within this booklet for your own use

Or

Further copies of the tables in this booklet are available to download from the Scottish Government website http://www.scotland.gov.uk/Topics/Agriculture/Environment/NVZinfo/

Table 8 Calculating the Nmax for arable crops   **Harvest year:**

Crop type: **Standard yield:**   t/ha   **Average yield for this crop on this farm:**   t/ha (only if using the yield adjustment factor)

Field	Crop area	Previous crop	Soil type	Standard nitrogen rate	Adjustments		Adjusted Nmax limit		Balance to be applied as manufactured N		Adjust for excess winter rainfall only if >450mm from 1st October to 1st March	
					Yield	Market	Nitrogen rate	Total N	Available N from organic manure	Balance to be applied as manufactured N		
	ha			kg N/ha	kg N/ha		kg N/ha	kg	kg	kg	Adjustment (L)	N to be applied (kg)
A	B	C	D	E	F	G	H = (E+F+G)	I = (B×H)	J	K = (I − J)	See notes	M = (K + L)
TOTAL							(N)		(O)		Adjusted Nmax	(P)

Table 10 – Calculating the Nmax for grassland

Field number	Grass area	Site class	Intended use	Standard N requirement	Total nitrogen	Balance to be applied as manufactured N	
	ha	1,2,3 or 4	i,ii,iii,iv or v	kg/ha	kg	Crop available N from organic manure	Balance to be applied as manufactured N
a	b	c	d	e	f = b x e	g	h = (f – g)
Total				Nmax =	(j)		(k)

Table 9 – N available from Livestock Manure Applications

Crop type:

Field	Soil type	Manure Ref. no.	Total N (kg/t)	Season applied	% N available to next crop	Area spread (ha)	Amount applied (t/m³)	Rate applied (t/m³/ha)	Available N rate for next crop (kg/ha)	Total N available to next crop (kg)
1	2	3	4	5	6	7	8	9 = (cols 8 ÷ 7)	10 = (cols 4 x 6 x 9) ÷ 100	11 = cols 10 x 7

Table 11 – Individual Field Record for Applications of Manufactured and Organic Nitrogen

Field number ....………......   Field area ....   Harvest year ....

Calculated Nmax for crop type ....   Soil type .....………………...…..

Field use details			Manufactured nitrogen applied			Organic manure applications			
Date fertiliser or manure applied	Crop type	Date sown	Fertiliser type e.g. 20:10:10	Amount applied kg/ha	Total nitrogen applied	Manure reference number (Appendix 1)	Analysis of N content (if not using standard figures) kg/t or m^3	Quantity applied per ha/m^3 or t	Total N applied kg/ha

You must ensure that your cumulative total of nitrogen applications do not breach the calculated Nmax total for the crop type.

Table 12 – Manufactured (Chemical) Fertiliser – Annual Inventory Record

Calendar Year			
Fertiliser type e.g. 20:10:10	Opening stock in tonnes (01/01)	Purchased fertiliser in tonnes	Closing stock in tonnes (31/12)

Table 13 – Organic Manures – Records of Imports and Exports

Date of Import/Export	Tonnes Supplied (S)/ Received (R)	Manure type (ref. no. from Appendix 1)	Nitrogen content kg/t/m³ (from Appendix 1)	Received from/Supplied to

Table 3 – Average annual stocking records

| Livestock type | Numbers present on first day of calendar month | | | | | | | | | | | | Total | 12 month average = total ÷ 12 |
	J	F	M	A	M	J	J	A	S	O	N	D		
1 Dairy cow (over 9000 litre milk yield)														
1 Dairy cow (6000 to 9000 litre milk yield)														
1 Dairy cow (up to 6000 litre milk yield)														
1 Dairy heifer replacement, 13 months to first calf														
1 Dairy heifer replacement, 3 to 13 months														
1 Beef suckler cow (over 500 kg)														
1 Beef suckler cow (up to 500 kg)														
1 Steer/Heifer for slaughter														
1 Steer/Heifer, over 25 months														
1 Steer/Heifer, 13 to 25 months														
1 Steer/Heifer, 3 to 13 months														
1 Bull beef, 3 months and over														
1 Bull for breeding, over 25 months														
1 Bull for breeding, 3 to 25 months														
1 Calf, up to 3 months														
1 Breeding ewe up to 60 kg (inc lamb to 6 months where applicable)														
1 Breeding ewe over 60 kg (inc lamb to 6 months where applicable)														
1 Lamb (from 6 months up to 9 months)														
1 Lamb/Hogg (from 9 months old to first lambing, tupping or slaughter)														
1 Goat														
1 Breeding deer														
1 Deer (other)														
1 Horse														

Table 16 – Nmax – Autumn Nitrogen Application on Winter Oilseed Rape

A	B	C	D	E
Field identifier	Utilisable / Cropped Area (ha)	Previous crop	Standard nitrogen requirement (kg N/ha)	Total N (kg) (B x D)
Total	(ha)	Total	(kg N/ha)	**Nmax** (f) kg

Table 1 – Calculating Spreading Land and Field Loading

Field name/no.	Gross field area (ha)	Ditches and watercourses		Other red areas (ha)	Unavailable areas (ha)	Land available for spreading (ha)	Multiply by 250 to calculate the maximum nitrogen that can be applied to each field in the form of organic manure (kg/ha)
		Length in metres	Length (m) divide by 1000 for ha				
Totals	(a) Total			(b) Total red area	(d) Total unavailable area	Total available land or areas	

Notes