

# Organic manures inventory and NVZ manure storage requirement October 2018 to September 2019



|                 |                      |             |                               |           |
|-----------------|----------------------|-------------|-------------------------------|-----------|
| Honkley farm    | CPH number           | 56/010/0022 | Area in an NVZ                | 94.77 ha  |
| East View Farm, | Single business      |             | Area not in an NVZ            | 108.00 ha |
| Cobblers Lane,  | identifier           |             |                               |           |
| Burton          | Annual rainfall (mm) | 703         | Area of low run-off risk land | 16 ha     |
| Rossett         |                      |             |                               |           |
| LL12 0AL        |                      |             |                               |           |

## The Nitrate Vulnerable Zone (NVZ) minimum mandatory manure storage capacity requirements

In order to comply with the NVZ Action Programme rule for manure storage, the minimum mandatory manure storage capacity requirements for slurry and/or poultry manure on this farm are shown below. The calculations are based on the information entered into PLANET and shown in this report.

|                                  | Cattle/other slurry<br>m <sup>3</sup> | Pig slurry<br>m <sup>3</sup> | Rainfall to slurry stores<br>m <sup>3</sup> | Poultry layer manure<br>tonnes | Poultry litter<br>tonnes |
|----------------------------------|---------------------------------------|------------------------------|---------------------------------------------|--------------------------------|--------------------------|
| October                          | 1,279                                 | 0                            | 193                                         | 0                              | 0                        |
| November                         | 1,523                                 | 0                            | 205                                         | 0                              | 0                        |
| December                         | 1,539                                 | 0                            | 211                                         | 0                              | 0                        |
| January                          | 1,539                                 | 0                            | 185                                         | 0                              | 0                        |
| February                         | 1,489                                 | 0                            | 134                                         | 0                              | 0                        |
| March                            |                                       | 0                            |                                             | 0                              | 0                        |
|                                  |                                       |                              |                                             |                                |                          |
| Applied to low run-off risk land | 1,600                                 | 0                            |                                             | 0                              | 0                        |
| Additional 1 weeks capacity      | 342                                   | 0                            | 43                                          |                                |                          |
| Total                            | 6,111                                 | 0                            | 971                                         | 0                              | 0                        |
| Total for farm area in NVZ       | 2,872                                 | 0                            | 456                                         | 0                              | 0                        |

The NVZ minimum storage capacity requirement for cattle and pig slurry is 3,328 m<sup>3</sup>

This quantity includes allowances for:

- Slurry applied to low run-off risk land 1,600 m<sup>3</sup>

The minimum storage capacity requirement for poultry manure is 0 t (0 m<sup>3</sup>)

This quantity includes allowances for:

- Poultry manure applied to low run-off risk land 0 t

For further information see the relevant NVZ guidance leaflet(s)

# Existing slurry, solid manure and dirty water stores, and other rainwater collection areas

|                                                                                                                 |                      |
|-----------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Slurry stores</b>                                                                                            |                      |
| Capacity of slurry stores                                                                                       | 4,957 m <sup>3</sup> |
| Surface area of uncovered slurry stores                                                                         | 1,836 m <sup>2</sup> |
| <b>Dirty water stores</b>                                                                                       |                      |
| Capacity of dirty water stores                                                                                  | 0 m <sup>3</sup>     |
| Surface area of uncovered dirty water stores                                                                    | 0 m <sup>2</sup>     |
| <b>Solid manure stores on an impermeable base or in poultry houses</b>                                          |                      |
| Capacity of solid manure stores                                                                                 | 0 tonnes             |
| <b>Rainwater collection areas</b>                                                                               |                      |
| Area of fouled open concrete, uncovered solid manure stores, silage clamps, etc. draining to slurry stores      | 914 m <sup>2</sup>   |
| Area of clean concrete and roofs draining to slurry stores                                                      | 0 m <sup>2</sup>     |
| Area of fouled open concrete, uncovered solid manure stores, silage clamps, etc. draining to dirty water stores | 0 m <sup>2</sup>     |
| Area of clean concrete and roofs draining to dirty water stores                                                 | 0 m <sup>2</sup>     |

## Livestock details

| Month    | Livestock type                                      | Number | Manure system       | Occupancy % | Collected as slurry % | Bedding t/month | Mech separation          | Slurry separated % |
|----------|-----------------------------------------------------|--------|---------------------|-------------|-----------------------|-----------------|--------------------------|--------------------|
| October  | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| October  | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| October  | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                 | <input type="checkbox"/> |                    |
| October  | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| October  | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 11          | 100                   |                 | <input type="checkbox"/> |                    |
| November | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| November | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| November | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| November | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| November | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| December | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| December | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| December | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| December | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| December | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| January  | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| January  | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| January  | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| January  | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| January  | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| February | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| February | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| February | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| February | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| February | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| March    | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                 | <input type="checkbox"/> |                    |
| March    | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2            | <input type="checkbox"/> |                    |
| March    | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                 | <input type="checkbox"/> |                    |

## Livestock details

| Month     | Livestock type                                      | Number | Manure system       | Occupancy % | Collected as slurry % | Bedding t/month t/month | Mech separation          | Slurry separated % |
|-----------|-----------------------------------------------------|--------|---------------------|-------------|-----------------------|-------------------------|--------------------------|--------------------|
| March     | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| March     | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| April     | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| April     | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| April     | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                         | <input type="checkbox"/> |                    |
| April     | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| April     | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| May       | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| May       | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| May       | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                         | <input type="checkbox"/> |                    |
| May       | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| May       | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| June      | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| June      | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| June      | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                         | <input type="checkbox"/> |                    |
| June      | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| June      | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| July      | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| July      | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| July      | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                         | <input type="checkbox"/> |                    |
| July      | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| July      | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| August    | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| August    | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| August    | 1 dairy cow (6000-9000 litres milk yield)           | 550    | Slurry mainly       | 80          | 100                   |                         | <input type="checkbox"/> |                    |
| August    | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| August    | 1 dairy cow (6000-9000 litres milk yield)           | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| September | 1 dairy heifer replacement, 13 months to first calf | 20     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |
| September | 1 dairy cow (6000-9000 litres milk yield)           | 60     | Slurry mainly       | 100         | 100                   |                         | <input type="checkbox"/> |                    |

## Livestock details

| Month     | Livestock type                            | Number | Manure system       | Occupancy % | Collected as slurry % | Bedding t/month t/month | Mech separation          | Slurry separated % |
|-----------|-------------------------------------------|--------|---------------------|-------------|-----------------------|-------------------------|--------------------------|--------------------|
| September | 1 dairy cow (6000-9000 litres milk yield) | 550    | Slurry mainly       | 80          | 100                   |                         | <input type="checkbox"/> |                    |
| September | 1 dairy cow (6000-9000 litres milk yield) | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |
| September | 1 dairy cow (6000-9000 litres milk yield) | 45     | Solid manure mainly | 100         | 20                    | 17.2                    | <input type="checkbox"/> |                    |

## Wash water

| Month     | Livestock type                            | Number | Hose type   | Daily volume<br>litres/day | No. of wash<br>days | Floor area<br>washed<br>m <sup>2</sup> | Monthly<br>volume<br>m <sup>3</sup> | Destination         |
|-----------|-------------------------------------------|--------|-------------|----------------------------|---------------------|----------------------------------------|-------------------------------------|---------------------|
| October   | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| November  | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 30                  |                                        | 500                                 | Cattle slurry store |
| December  | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| January   | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| February  | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 28                  |                                        | 466                                 | Cattle slurry store |
| March     | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| April     | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 30                  |                                        | 500                                 | Cattle slurry store |
| May       | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| June      | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 30                  |                                        | 500                                 | Cattle slurry store |
| July      | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| August    | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 31                  |                                        | 516                                 | Cattle slurry store |
| September | 1 dairy cow (6000-9000 litres milk yield) | 595    | High volume | 28                         | 30                  |                                        | 500                                 | Cattle slurry store |

### Imports and Exports

| Month | Import or export | Date | Manure type | Quantity<br>tonnes or m <sup>3</sup> | Import destination |
|-------|------------------|------|-------------|--------------------------------------|--------------------|
|-------|------------------|------|-------------|--------------------------------------|--------------------|

**Low run-off risk land**

| Month    | Manure type         | Quantity<br>tonnes or m <sup>3</sup> |
|----------|---------------------|--------------------------------------|
| January  | Cattle/other slurry | 800                                  |
| February | Cattle/other slurry | 800                                  |

## Summary of organic manure and dirty water production

| Month | Home produced<br>(cattle) | Home produced<br>(pigs) | Home produced<br>(poultry) | Home produced<br>(sheep/other) | Imports | Exports | Clean<br>rainfall | Dirty rainfall | Net total<br>retained on<br>farm |
|-------|---------------------------|-------------------------|----------------------------|--------------------------------|---------|---------|-------------------|----------------|----------------------------------|
|-------|---------------------------|-------------------------|----------------------------|--------------------------------|---------|---------|-------------------|----------------|----------------------------------|

### Slurry (m³)

|              |               |          |          |          |          |          |              |            |               |
|--------------|---------------|----------|----------|----------|----------|----------|--------------|------------|---------------|
| October      | 1,279         |          |          |          |          |          | 129          | 64         | 1,472         |
| November     | 1,523         |          |          |          |          |          | 137          | 68         | 1,728         |
| December     | 1,539         |          |          |          |          |          | 141          | 70         | 1,750         |
| January      | 1,539         |          |          |          |          |          | 123          | 61         | 1,723         |
| February     | 1,489         |          |          |          |          |          | 90           | 45         | 1,623         |
| March        | 1,364         |          |          |          |          |          | 99           | 49         | 1,512         |
| April        | 1,348         |          |          |          |          |          | 88           | 44         | 1,480         |
| May          | 1,364         |          |          |          |          |          | 91           | 45         | 1,499         |
| June         | 1,348         |          |          |          |          |          | 98           | 49         | 1,494         |
| July         | 1,364         |          |          |          |          |          | 79           | 39         | 1,482         |
| August       | 1,364         |          |          |          |          |          | 101          | 50         | 1,515         |
| September    | 1,348         |          |          |          |          |          | 114          | 57         | 1,518         |
| <b>Total</b> | <b>16,864</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1,291</b> | <b>642</b> | <b>18,797</b> |

### Dirty water (m³)

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| October      |          |          |          |          |          |          |          |          |          |
| November     |          |          |          |          |          |          |          |          |          |
| December     |          |          |          |          |          |          |          |          |          |
| January      |          |          |          |          |          |          |          |          |          |
| February     |          |          |          |          |          |          |          |          |          |
| March        |          |          |          |          |          |          |          |          |          |
| April        |          |          |          |          |          |          |          |          |          |
| May          |          |          |          |          |          |          |          |          |          |
| June         |          |          |          |          |          |          |          |          |          |
| July         |          |          |          |          |          |          |          |          |          |
| August       |          |          |          |          |          |          |          |          |          |
| September    |          |          |          |          |          |          |          |          |          |
| <b>Total</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

### Poultry layer manure (tonnes)

|          |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|
| October  |  |  |  |  |  |  |  |  |  |
| November |  |  |  |  |  |  |  |  |  |
| December |  |  |  |  |  |  |  |  |  |
| January  |  |  |  |  |  |  |  |  |  |
| February |  |  |  |  |  |  |  |  |  |
| March    |  |  |  |  |  |  |  |  |  |
| April    |  |  |  |  |  |  |  |  |  |
| May      |  |  |  |  |  |  |  |  |  |
| June     |  |  |  |  |  |  |  |  |  |

## Summary of organic manure and dirty water production

| Month        | Home produced (cattle) | Home produced (pigs) | Home produced (poultry) | Home produced (sheep/other) | Imports  | Exports  | Clean rainfall | Dirty rainfall | Net total retained on farm |
|--------------|------------------------|----------------------|-------------------------|-----------------------------|----------|----------|----------------|----------------|----------------------------|
| July         |                        |                      |                         |                             |          |          |                |                |                            |
| August       |                        |                      |                         |                             |          |          |                |                |                            |
| September    |                        |                      |                         |                             |          |          |                |                |                            |
| <b>Total</b> | <b>0</b>               | <b>0</b>             | <b>0</b>                | <b>0</b>                    | <b>0</b> | <b>0</b> | <b>0</b>       | <b>0</b>       | <b>0</b>                   |

## Poultry litter (tonnes)

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| October      |          |          |          |          |          |          |          |          |          |
| November     |          |          |          |          |          |          |          |          |          |
| December     |          |          |          |          |          |          |          |          |          |
| January      |          |          |          |          |          |          |          |          |          |
| February     |          |          |          |          |          |          |          |          |          |
| March        |          |          |          |          |          |          |          |          |          |
| April        |          |          |          |          |          |          |          |          |          |
| May          |          |          |          |          |          |          |          |          |          |
| June         |          |          |          |          |          |          |          |          |          |
| July         |          |          |          |          |          |          |          |          |          |
| August       |          |          |          |          |          |          |          |          |          |
| September    |          |          |          |          |          |          |          |          |          |
| <b>Total</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

## Other solid manures (tonnes)

|              |              |          |          |          |          |          |          |          |              |
|--------------|--------------|----------|----------|----------|----------|----------|----------|----------|--------------|
| October      | 149          |          |          |          |          |          |          |          | 149          |
| November     | 149          |          |          |          |          |          |          |          | 149          |
| December     | 149          |          |          |          |          |          |          |          | 149          |
| January      | 149          |          |          |          |          |          |          |          | 149          |
| February     | 149          |          |          |          |          |          |          |          | 149          |
| March        | 149          |          |          |          |          |          |          |          | 149          |
| April        | 149          |          |          |          |          |          |          |          | 149          |
| May          | 149          |          |          |          |          |          |          |          | 149          |
| June         | 149          |          |          |          |          |          |          |          | 149          |
| July         | 149          |          |          |          |          |          |          |          | 149          |
| August       | 149          |          |          |          |          |          |          |          | 149          |
| September    | 149          |          |          |          |          |          |          |          | 149          |
| <b>Total</b> | <b>1,786</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1,786</b> |

'Clean rainfall' is the quantity of rainfall landing on clean concrete and roofs, or uncovered slurry stores that drain to a slurry store. This quantity of rainfall may be easily redirected to reduce the volume of slurry.

'Dirty rainfall' is the quantity of rainfall landing on fouled open concrete, and uncovered solid manure stores, silage clamps, etc., that drain to a manure store.

### Nutrients in handled manures (approximate values)

|                                | Home produced<br>(cattle) | Home produced<br>(pigs) | Home produced<br>(poultry) | Home produced<br>(sheep/other) | Imports | Exports | Net total<br>retained on<br>farm |
|--------------------------------|---------------------------|-------------------------|----------------------------|--------------------------------|---------|---------|----------------------------------|
| <b>Quantity (kg)</b>           |                           |                         |                            |                                |         |         |                                  |
| Readily available nitrogen (N) | 17,447                    | 0                       | 0                          | 0                              | 0       | 0       | 17,447                           |
| Total phosphate (P2O5)         | 27,294                    | 0                       | 0                          | 0                              | 0       | 0       | 27,294                           |
| Total potash (K2O)             | 71,784                    | 0                       | 0                          | 0                              | 0       | 0       | 71,784                           |
| <b>Financial value (£)</b>     |                           |                         |                            |                                |         |         |                                  |
| Readily available nitrogen (N) | 15,702                    | 0                       | 0                          | 0                              | 0       | 0       | 15,702                           |
| Total phosphate (P2O5)         | 21,835                    | 0                       | 0                          | 0                              | 0       | 0       | 21,835                           |
| Total potash (K2O)             | 43,070                    | 0                       | 0                          | 0                              | 0       | 0       | 43,070                           |

The readily available nitrogen is based on surface application in the spring

The estimated financial value of these manures, equivalent to manufactured fertilisers, is based on the following fertiliser prices:-

|                  |                              |
|------------------|------------------------------|
| 90 pence/kg N    | £311/t ammonium nitrate      |
| 80 pence/kg P2O5 | £368/t triple superphosphate |
| 60 pence/kg K2O  | £360/t muriate of potash     |