

Johnstown Castle Winter Milk Herd- Weekly Management Notes - 04/12/17

- All stock are housed, weather conditions are not that critical, so ironically rainfall for the past week was just 2.6mm, with an average soil temp back to 5.0 °C. Rainfall for November was 72mm with a slightly higher than average soil temp of 7.9°C. Farm cover @ 5/12/17 was 635kgs/ha, with a total annual production similar to the previous couple of years at 14.25T/ha.
- Most of our silage tested between 70-72DMD, our early first cut (14th May), tested better @ 75DMD (see analysis), we're feeding this to the autumn milkers at the moment, this will probably last until mid to late January, we'll be looking at reasonably good silage of ~72DMD at that stage, but hopefully cows will be back getting some grass in the diet towards early Feb, which might help to offset any drop in silage quality.
- Start of breeding is fast approaching (12/12/17), all the autumn cows have been tail painted, cows missing paint are noted, by start of breeding next week we'll have a good handle on what's been cycling.
- All of the spring cows still in milk will be dried off next week, some cows are still milking well, but based expected calving dates most of these are due dry. By feeding poorer quality silage & removing concentrate we'll restrict their diet for the coming week to reduce yields pre-dry off. Based on cell counts throughout the year approximately 70% of these cows will be treated with a sealer only.

| | <i>This week (04/12/17)</i> | Autumn Calving Herd | Spring Calving Herd |
|-------------------|---|---|---|
| Production | % of Herd Milking | 97% | 58% |
| | Milk Kg | 27.5 | 14.8 |
| | Fat % | 4.28 | 4.92 |
| | Protein % | 3.44 | 3.60 |
| | Milk Solids kg | 2.12 | 1.26 |
| Intake | Grazed Grass kgs/dm/cow (estimate) | | |
| | Silage kgs/dm/cow | 9.5 | 14 |
| | Maize silage kgs/dm/cow | 5.0 | 0 |
| | Concentrate in TMR – kgs/dm/cow | 2.5 | 0 |
| | Parlour concentrate kgs/dm/cow | 5 | 2.5 |
| Totals | <i>Lactation to date per cow</i> | Mean calving date 9 th October | Mean calving date 7 th March |
| | Days in Milk | 56 | 259 |
| | Milk kg | 1472 | 5945 |
| | Milk Solids kg | 119 | 453 |
| | Concentrate Fed | 305 in parlor (363 in total) | 576 |

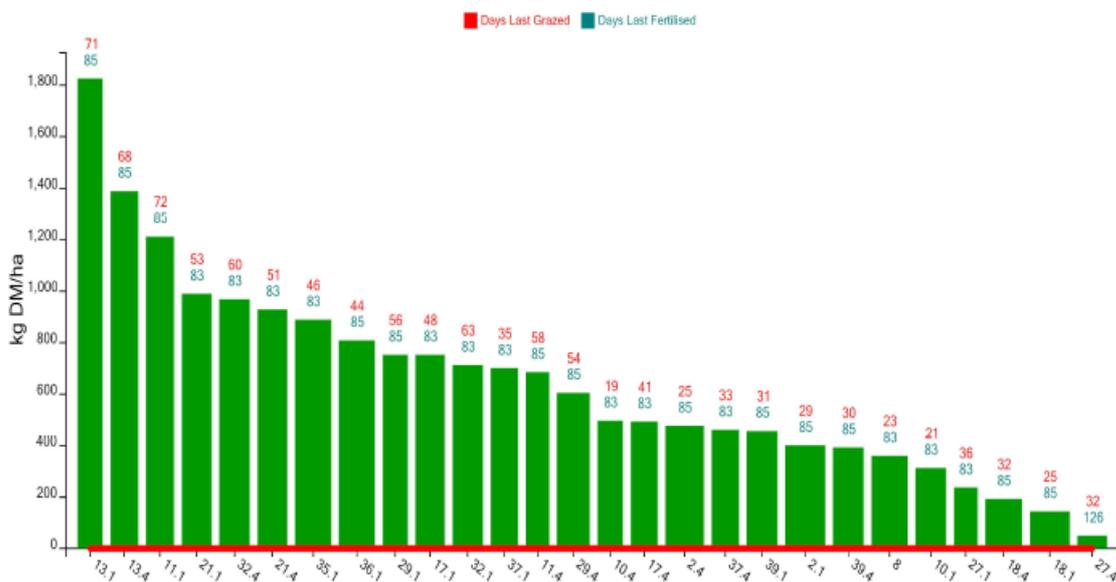
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|-------------------------------------|------------------------|
| Group: Teagasc Dairy Research Farms | Cover Date: 05/12/2017 |
| Farm: Johnstown Dairy | Treatment: Autumn |

Management Decisions

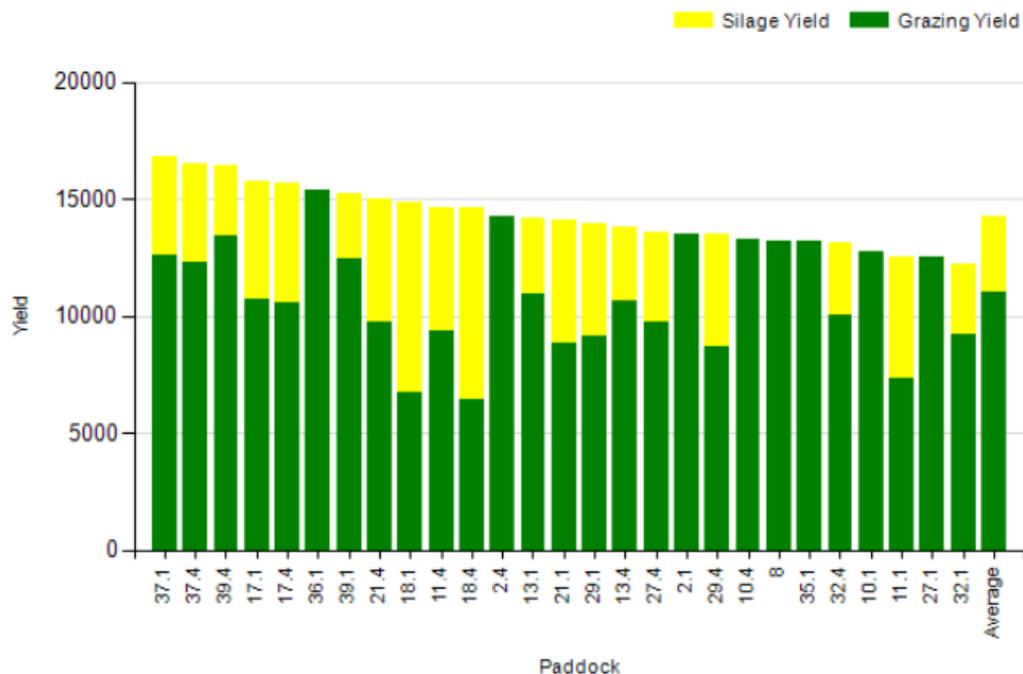
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|--------------------------------|---|----------------------|---|
| Rotation Length (days): | 0 | Residual Height (cm) | 4 |
| Target Pre-Grazing (kg DM/ha): | 0 | | |

Cover Parameters

| | | | |
|-----------------------------|--------|---------------------|---------------|
| Farm Cover (kg DM/ha): | 635.00 | Total LU: | |
| Cover / LU (kg DM/LU): | | LU / ha: | 0.00 |
| Growth/ha (kg DM/ha/day): | 6.00 | Grazing Area: | 27 (20.61 ha) |
| Demand / ha (kg DM/ha/day): | | Reseed: | 0 (0.00 ha) |
| Demand / day (kg DM/day): | | Silage - Cut Later: | 0 (0.00 ha) |
| Days ahead: | | Silage - Cut Now: | 0 (0.00 ha) |
| Kg LWT / ha: | | Other: | 0 (0.00 ha) |



Cumulative Paddock Yield to 05/12/2017



**JOHNSTOWN CASTLE
WEXFORD**

Certificate Number: SE41301

Farmer: PO 200221347

Sample Receive Date: 15/11/2017

Return Date: 16/11/2017

Lab Reference: SE88009

| Item | Units | Desirable Values | Result | Status |
|---------------|--------------|------------------|--------|----------|
| Dry Matter | % | 20 - 30 | 33.4 | - |
| pH | - | 4 - 4.7 | 4.1 | Good |
| Ammonia N | % of Total N | < 10.1 | 8.4 | Good |
| ASH | % | < 8.6 | 9.9 | Moderate |
| NDF | % | < 45.0 | 40.50 | Good |
| DMD | % | > 68.9 | 75.0 | Good |
| ME | MJ/kg | > 9.8 | 10.8 | Good |
| Crude Protein | % | 13.5 - 17 | 15.4 | Good |

| Item | Units | Normal Range | Result | Status |
|------------------|------------------------|--------------|--------|--------|
| PDIN | g/kg | 65 - 102 | 91 | |
| PDIE | g/kg | 58 - 83 | 86 | |
| PDIA | g/kg | 16 - 37 | 28 | |
| UFL | per kg | .65 - .90 | 0.85 | |
| UFV | per kg | .59 - .89 | 0.81 | |
| SFU | per kg | 1.04 - 2.81 | 1.45 | |
| LFU | per kg | .95 - 1.89 | 1.19 | |
| CFU | per kg | .96 - 1.92 | 1.20 | |
| DM Intake Cattle | g/kg W ^{0.75} | 70 - 130 | 112 | |
| DM Intake Sheep | g/kg W ^{0.75} | 60 - 140 | 104 | |

PREDICTED PERFORMANCE
(silage ad lib no meals)

WITH GOOD MANAGEMENT

| | |
|---------------------------------------|------|
| Lactating Cows (Litres/Day) | 13.4 |
| Dry Cows (Kg/Day) | 0.8 |
| Beef Cattle / InCalf Heifers (Kg day) | 0.7 |
| Weanling (Kg/Day) | 0.5 |

SUPPLEMENTATION

| | |
|----------------------------|------|
| Dairy Ration Protein % | 18 |
| Kg/Day for 27 litres | 6.5 |
| Beef Ration Protein % | 13 |
| Kg/Day for 1Kg/day Gain | 4.00 |
| Weanling Ration Protein % | 14 |
| Kg/Day for 0.6 Kg/day Gain | 0.5 |