

Johnstown Castle Winter Milk Herd- Weekly Management Notes

05/12/16

- The autumn herd are well settled on their winter diet at this stage and are performing well, as yet there's been no need to change from the diet as outlined below, fresh forage weights have stayed the same, as we moved back into both the silage & maize pits dm% have increased by a couple of units, so DMI/cow might be marginally higher than on table.
- Body condition score is around 2.93 herd average, with only a couple of cows at 2.5. There seems to be quite a bit of cycling activity (pre-heats being recorded for the past 10 days), we'll be starting breeding on the 100% autumn herd on the 13th December. All autumn cows are now calved. Any cows recorded in the calving book with calving difficulties/twins/retained placentas etc will be examined this week & treated if necessary.
- The Weather has been fantastic over the past month, which is grand, but not a major benefit at this stage as all field activities are finished & stock are housed (spring born calves & replacement heifers being housed this week). We had NO rainfall for the past week and a soil temp of 5.3°C average.
- All remaining spring milking cows will be dried this week, for the past week they have been on zero concentrate & average quality baled silage, this really helps to crash milk yield on some of the higher yielders pre-drying off, which should reduce the risk of cows leaking milk post drying. Approximately 50% of the spring cows due to be dried, will get a teat sealer only – these are cows who had no incidence of mastitis this year and whose scc readings (~15 recordings/cow for Johnstown) were always below 100,000.

Winter diet for autumn milking cows

	<u>Kgs/Dm</u> <u>per cow</u>	Kgs per cow As fed
Parlour Nut	6.0	7.0
Maize Silage	4.5	16.0
Grass Silage	9.0	41
Coarse blend	2.0	2.3
Total	21.5	66.3

	<i>This week (05/12/16)</i>	Autumn Calving Herd	Spring Calving Herd
Production	% of Herd Milking	100%	65% (all being dried this week)
	Milk Kg	27.9	10.4
	Fat %	4.21	5.04
	Protein %	3.37	3.72
	Milk Solids kg	2.11	0.9
Intake	Grazed Grass kgs/dm/cow (estimate)	0	0
	Silage kgs/dm/cow	9	13
	Maize silage kgs/dm/cow	4.5	0
	Concentrate in TMR – kgs/dm/cow	2	0
	Parlour concentrate kgs/dm/cow	6.0	0
Totals	<i>Lactation to date per cow</i>	Mean calving date 10 th Oct	Mean calving date 17 th Feb
	Days in Milk	56	288
	Milk kg	1478	5983
	Milk Solids kg	116	458
	Concentrate Fed	278 in parlor (310kg total)	528kgs

First cut silage for winter milk herd

Sample Receive Date: 27/10/2016		Return Date: 27/10/2016		Lab Reference: SE84183	
Item	Units	Desirable Values	Result	Status	
Dry Matter	%	20 - 30	27.6	-	
pH	-	4 - 4.7	3.9	Good	
Ammonia N	% of Total N	< 10.1	5.2	Good	
ASH	%	< 8.6	8.8	Moderate	
NDF	%	< 45.0	49.50	Moderate	
DMD	%	> 68.9	69.9	Good	
ME	MJ/kg	> 9.8	10.0	Good	
Crude Protein	%	13.5 - 17	13.5	Good	

Item	Units	Normal Range	Result	Status	
PDIN	g/kg	65 - 102	80	A	
PDIE	g/kg	58 - 83	74		
PDLA	g/kg	16 - 37	25		
UFL	per kg	.65 - .90	0.78		
UFV	per kg	.59 - .89	0.74		
SFU	per kg	1.04 - 2.81	1.75		
LFU	per kg	.95 - 1.89	1.38		
CFU	per kg	.96 - 1.92	1.39		
DM Intake Cattle	g/kg W ^{0.75}	70 - 130	96		
DM Intake Sheep	g/kg W ^{0.75}	60 - 140	88		

PREDICTED PERFORMANCE (silage ad lib no meals)	
WITH GOOD MANAGEMENT	
Lactating Cows (Litres/Day)	9.9
Dry Cows (Kg/Day)	0.6

SUPPLEMENTATION	
Dairy Ration Protein %	20
Kg/Day for 27 litres	7.5
Beef Ration Protein %	14
Kg/Day for 1Kg/day Gain	5.53

Closing Farm cover - 670kgs/ha

