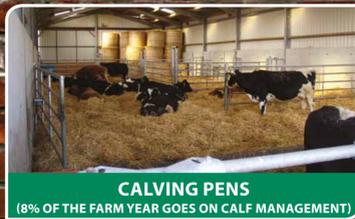


# THE LABOUR SAVING WALL



**CALVING PENS**  
(8% OF THE FARM YEAR GOES ON CALF MANAGEMENT)



**SIMPLE CALF REARING EQUIPMENT**

Calf feeding system	Auto-feeder	OAD tests	TAD tests	TAD buckets	TAD trough
Feed + clean + milk transfer	24	17	23	26	16
Bed + clean pens	13	4	6	6	6
Total calf care time	37	21	29	32	22

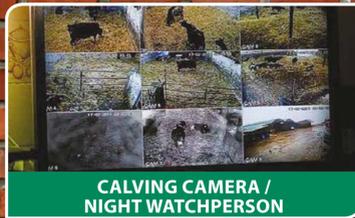
Gleeson et al. 2007 Livestock systems

**OAD FEEDING CALVES**

day	OAD Whole milk	TAD Whole milk	OAD Whole milk*
10	39	40	39
38	53	54	49*
66	76	80	67
80	87	89	85
410	293	309	316

\* outdoors  
Gleeson et al. 2012, Irish Vet. Journal

**OUTDOOR CALF REARING**



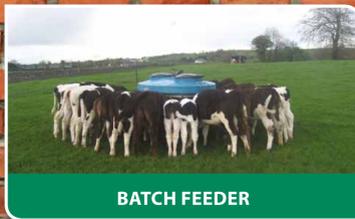
**CALVING CAMERA / NIGHT WATCHPERSON**



**PROPER FUNCTIONING GATES**



**WATER HEATER IN CALF SHED**



**BATCH FEEDER**



**ORGANISED CALF PENS**

	Restricted access (no silage access 10:30-20:30)	Ad-lib access
Night calving (%) (00:30-06:29)	17	26
Gestation days	283	283
Assistance score (%>2)	14.4	14.5
Calf mortality (%)	4.8	4.0
Calf weight (kg)	42.8	42.8
Silage intake (kg/dm/d)	10.1	10.7

Gleeson et al. 2007 Int. J. Applied Res. 9% Less by night

**DAY TIME CALVING NIGHT TIME FEEDING**



**SIMPLE PARLOUR DRAFTING**

	MF (1X) 3 wks	MF (1X) 6 wks	MF (2X) 6 wks	% loss v 2x (1x,3wk)	(1x,6wk)
Milk, kg/day	21.7	19.3	23.7	-8	-19
Fat, %	4.66	4.61	4.83	-4	-5
Protein, %	3.84	3.81	3.75	+2	+2
SCC (cells/ml)	66,000	79,000	82,000		

Phyn et al. 2013, J. Dairy Sci.

**OAD EARLY LACTATION**

Milking Interval	16:8h	12:12h	Significance
Milk Yield (kg/cow/day)	25.1	25.0	-
Fat Yield (kg/cow/day)	0.867	0.825	*
Protein Yield (kg/cow/day)	0.823	0.820	-
Fat %	3.47	3.30	*
Protein %	3.29	3.28	-
Lactose %	4.52	4.56	-

**MILKING INTERVAL**



**AUTO WASHER**



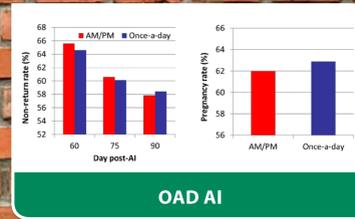
**BREEDING EQUIPMENT**



**DIY AI/AI TECHNICIAN**



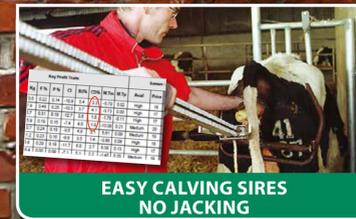
**HEAT DETECTION AIDS FREEZE BRANDING**



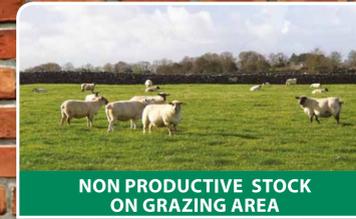
**OAD AI**



**CONTRACT OUT MACHINERY WORK**



**EASY CALVING SIRE NO JACKING**



**NON PRODUCTIVE STOCK ON GRAZING AREA**



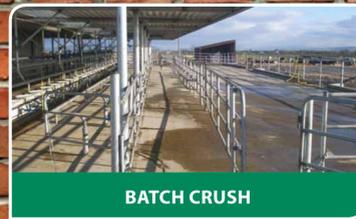
**CODED SITES**



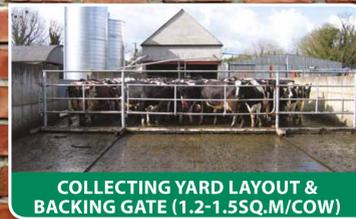
**LABOUR INTENSIVE CALF REARING**



**CONTRACT EXPANSION WORK**



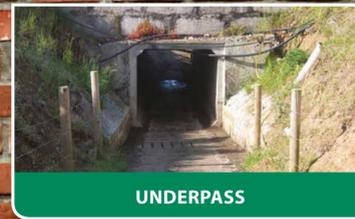
**BATCH CRUSH**



**COLLECTING YARD LAYOUT & BACKING GATE (1.2-1.5SQ.M/COW)**



**ROADWAY INFRASTRUCTURE**



**UNDERPASS**



**ADEQUATE FEED FACE PER COW (2 FEET/COW)**



**FEEDING THE COWS 2ND HIGHEST TIME CONSUMING JOB ON FARMS**



**33% TOTAL LABOUR INPUT OF THE FARM YEAR**



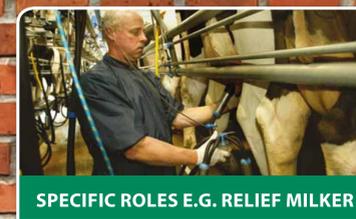
**OFFICE ORGANISATION**



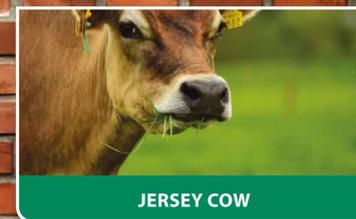
**WATER TROUGH LOCATION**



**SPUR ROADWAYS & STRIP GRAZING / SPRING TIME**



**SPECIFIC ROLES E.G. RELIEF MILKER**



**JERSEY COW**

- SOPS**
- To operate feeders**
    - Control panel at far end of pit.
    - Single press central green button to run auger and leave to fill automatically.
    - Pull handle in front of pit to feed first 2 cows as they walk in.
    - Press and hold outer green button to feed remainder once parlour is full.
    - Immediately fill again for next time.
  - At milking parlour**
    - Hold manual button until all clusters drop and place on washers.
    - On steps purge milk pump. Hold button until you hear a change in sound.
    - Close shutter valve and open clip at parlour steps.
    - Press stop and then E in dairy and wait until purge empty's milk pipe.
    - Close shutter valve on tank and remove pipe placing it back in wash position.
- Note: Auger should only run for a...



**FARM OFFICE**



**MAINTAINED GATE HANDLES**



**PADDOCK SIZE 24-36 HOURS IN MID-SEASON**