

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

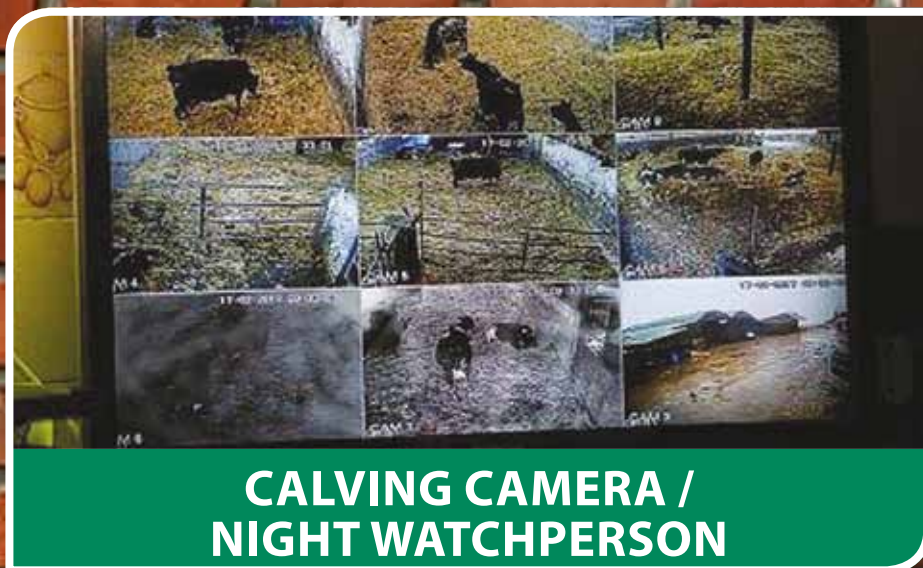
57 herds - labour, 8 days to 8 weeks, * no vet time
Gleeson et al. 2007 Livestock systems

OAD FEEDING CALVES

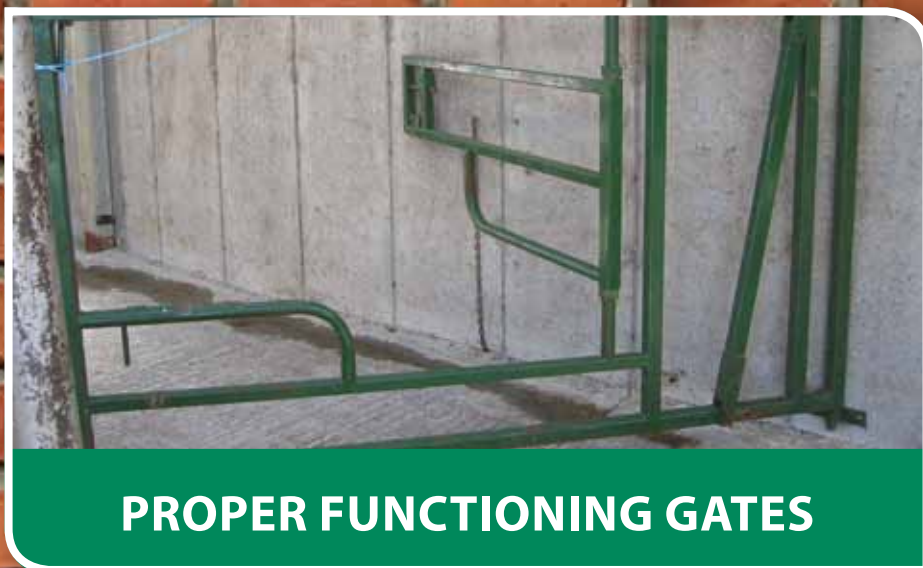
day	OAD Whole milk	TAD Whole milk	OAD Whole milk*
10	39	40	39
38	63	64	49*
66	76	80	67
80	87	89	85
410	293	309	316

* 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	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

(no silage access 10:30-20:30)
9% Less by night
Gleeson et al. 2007 Int. J. Applied Res.

DAY TIME CALVING NIGHT TIME FEEDING

THE LABOUR SAVING WALL



SIMPLE PARLOUR DRAFTING

	MF (1X) 3 wks	MF (1X) 6 wks	MF (2X) 6 wks	% loss v 2x (1x,3wks) (1x,6wks)
Milk, kg/day	21.7	19.3	23.7	-8
Fat, %	4.66	4.61	4.83	-4
Protein, %	3.84	3.81	3.75	+2
SCC (cells/ml)	66,000	79,000	62,000	

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



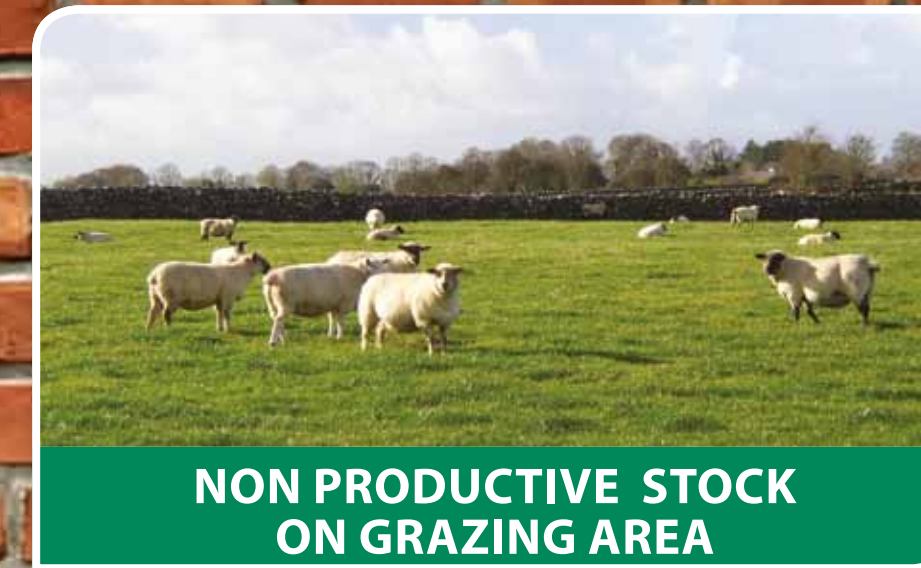
AUTO WASHER



BREEDING EQUIPMENT



DIY AI/AI TECHNICIAN



NON PRODUCTIVE STOCK ON GRAZING AREA



CODED SITES



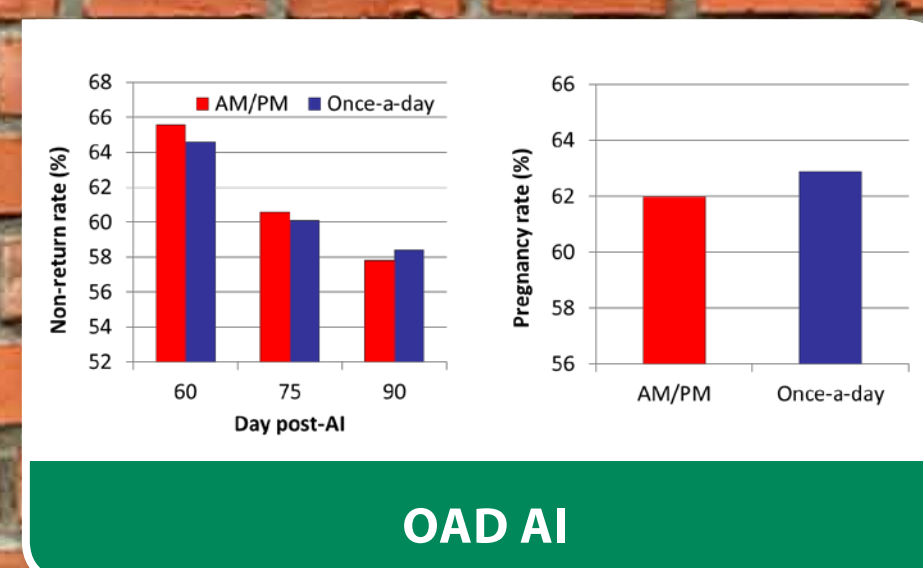
LABOUR INTENSIVE CALF REARING



CONTRACT EXPANSION WORK



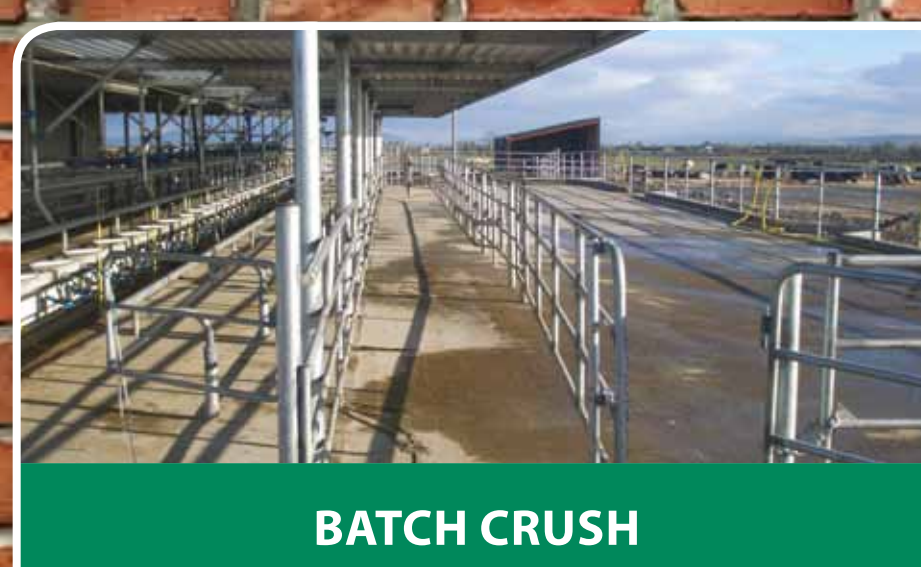
HEAT DETECTION AIDS FREEZE BRANDING



ADEQUATE FEED FACE PER COW (2 FEET/COW)



FEEDING THE COWS
2ND HIGHEST TIME CONSUMING JOB ON FARMS



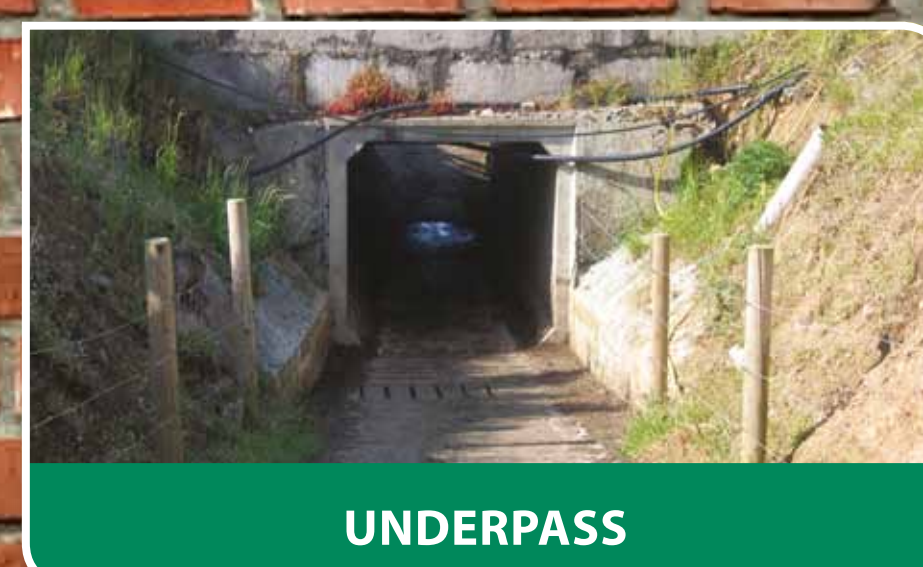
BATCH CRUSH



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



ROADWAY INFRASTRUCTURE



UNDERPASS



33% TOTAL LABOUR INPUT OF THE FARM YEAR



OFFICE ORGANISATION



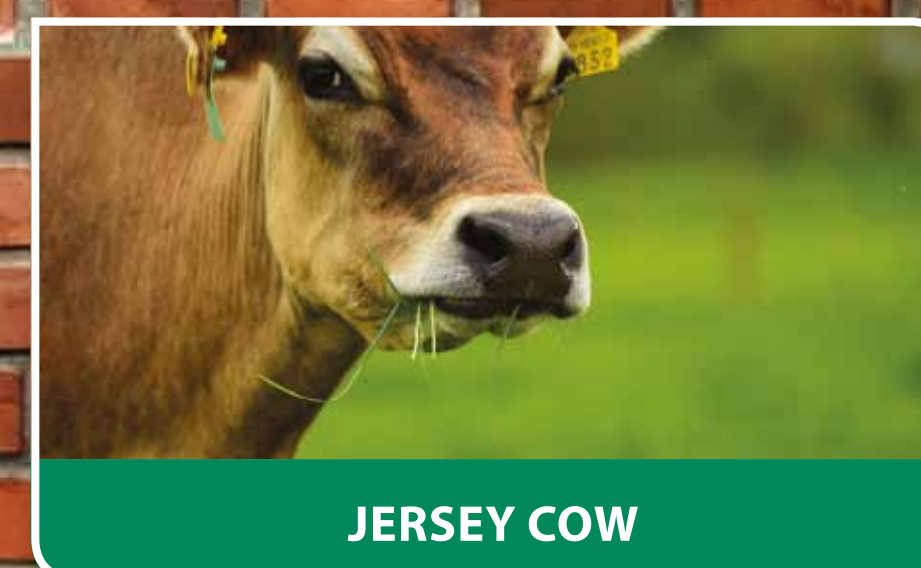
WATER TROUGH LOCATION



SPUR ROADWAYS & STRIP GRAZING / SPRING TIME



SPECIFIC ROLES E.G. RELIEF MILKER



JERSEY COW

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

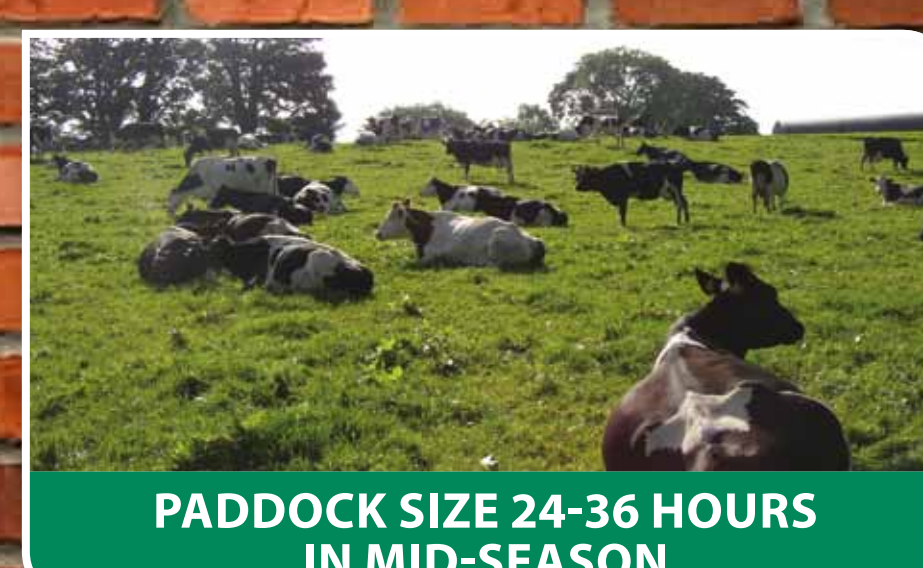
SOPS



FARM OFFICE



MAINTAINED GATE HANDLES



PADDOCK SIZE 24-36 HOURS IN MID-SEASON