

BioControl's CRFI is designed for research centers and the demanding dairy and beef farms that want optimal control and insight in animal feed intake. The system is very versatile and can be extended with animal weight and water intake recording. Modules of the CRFI-system can also be implemented: only access control gates or only mangers for feed intake recording.

Controlling and Recording Feed Intake

CRFI gives individual cows access to specified mangers that are placed on weighing cells. The purpose is to record individual feed intake, e.g. to evaluate feed conversion ratio.

Cows are identified by means of neck transponders or ear tags. If the cow is allowed access to a specific manger the gate goes down. When the allowed access time for that period is up, the access gate goes up to push the cow away from the manger so that another cow can get to the gate.

The weight of the manger is measured before and after cow access and the weight difference is transferred to the central computer for analysis.

Cow access control



Gate up: no access



Gate down: access

Easy to empty



Easy tipping to dump rest-feed or cleaning



Row of mangers to test variety of diets

Also for the demanding dairy and beef farmer

'Loose' CFRI-modules are also possible:

- Access control gate (no mangers) to give individual cows access to different TMR mixes (high-value ingredients, minerals, etc.)
- Mangers on weighing cells (no access gates) to measure feed intake (roughage, TMR) of individual cows to assess feed conversion ratio's.



Stall dividers prevent stealing, cow can eat quiet

- Fit for variety of transponders
 - collar: DeLaval B-type, Westfalia FDX-B, others
 - ear tags: HDX and FDX-B
- Different manger sizes: 100 cm and 120 cm wide
- Max combined error of load cell: 0,03%
- Tare and calibration procedure easy at the gate