

IRISH CATTLE BREEDING FEDERATION

Cow liveweight as a measure of intake



17 January 2017



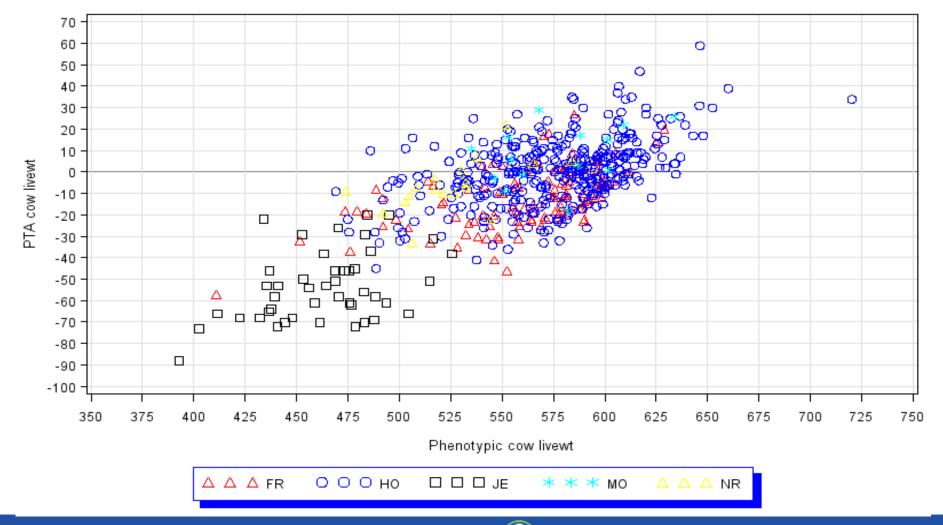
Current situation

- Cull cow weight is used to estimate cow intake in the absence of ptas for liveweight
- Penalty in maintenance index = 1.49 kg cull cow weight
- Reward in beef index = €0.15 kg
- Cow liveweight now being evaluated in its own right 439,227 records on 228,000 cows
- Option to switch from cull cow to liveweight pta for maintenance index
- Liveweight rankings will be different to cull cow weight rankings due to differences in killout %
- Cull cow weight would remain in Beef index



Cow liveweight pta v phenotypic (min 25 daughters)

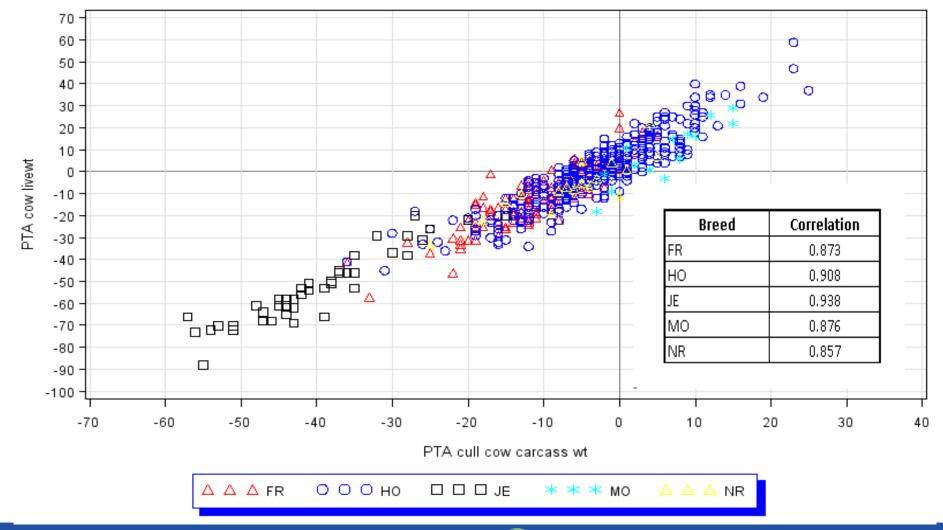
No of bulls 553 correlation r = 0.705PTA = -6.71 {stdev = 21.06} Phenotypic (kg) = 561.42 {stdev = 46.63}





Cow liveweight pta v Cull cow carcass weight

No of bulls 553 correlation r=0.949PTA cow lwt = -6.71 {stdev = 21.06} PTA cow carcass wt = -7.73 {stdev = 13.24}



Breed shifts

		Phenotypic		Genetic		Euro	
Breed	sires	cull carc wt	Live wt	cull carc wt	Live wt	cull carc wt	Live wt
JE	45	235	463	-40	-54	€60	€36
FR	119	287	564	-11	-11	€16	€8
NR	18	290	525	-7	-7	€10	€4
НО	349	297	574	-3	0	€5	€0
MO	14	314	577	6	8	-€9	-€6

Difference of 108kg between HO and JE cow (54kg x 2) = 108 x 4 = 432kg difference over lifetime Economic Value = €0.67 per kg

