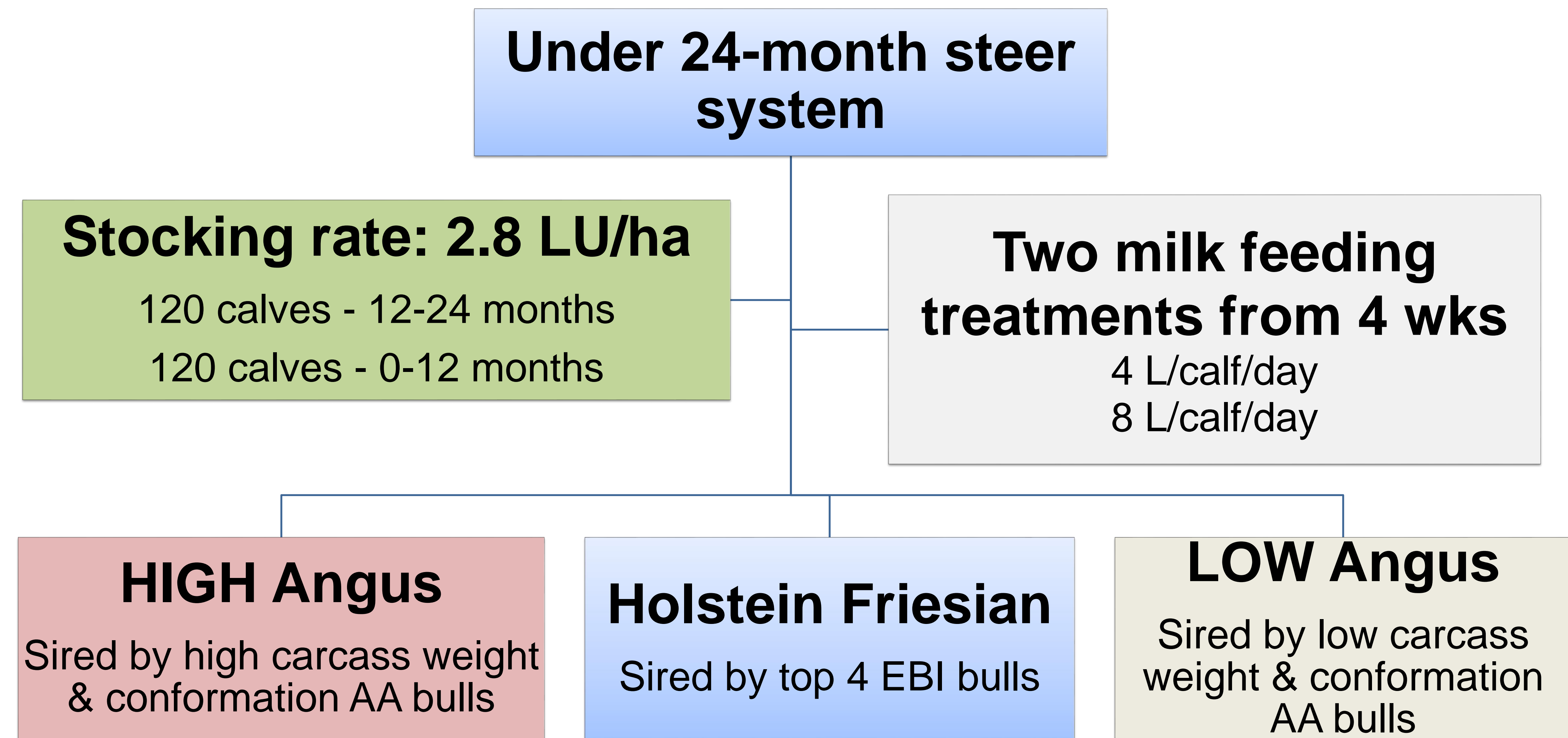


Grange dairy calf-to-beef system evaluation

- 57% of carcasses processed are of dairy origin
- More animals failing to meet carcass specifications
- Increasing demand for higher quality dairy-beef calves



4 L/calf from 4 wks

- 20 kg less milk replacer
- 25 kg more concentrate
- Same animal performance

€33 saving per calf

Physical, financial and environmental performance

	HF	HIGH AAX	LOW AAX
Age at slaughter (mths)	22.8	21.8	21.8
Carcass weight (kg)	300	305	300
Carcass conformation	O-	O=	O=
Carcass fat	3=	3+	3+
Carcass output/ha (kg)	960	976	960
CO ₂ eq per carcass kg	14.2	12.9	13.2
Human edible protein ratio (kg/kg)	0.75	1.05	1.02
Net margin (€/ha)	462	728	607

Take home message

- **Using high carcass merit sires on the dairy herd will:**
 - Improve profitability of beef farms
 - Reduce GHG emissions
 - Produce additional human edible protein