

# UFAC BEEF FEEDING PLAN

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**FEED4**  
THOUGHT






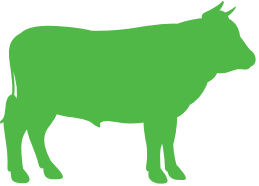
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# UFAC BEEF FEEDING PLAN

Feeding to meet market requirements for carcase weight and quality in the optimum time



Growth Stage	Production objectives	Nutritional Requirements	Possible Feeds	Recommended fatty acid supplement
<b>SUCKLER COWS</b> 	Maintain body condition Optimise fertility Maintain health	Low/medium protein Low starch and sugar High fibre Specific fatty acids * Minerals and vitamins	Grazing Silage Straw Hay Concentrate Protected fats	<b>UFAC Omega 3 Supplement</b> <i>(Rumen protected)</i>
<b>REARING</b> 40 – 80 kg 	Consistent growth Optimum weaning weight Smooth transition from liquid to solid food and fibre Maintain health	Colostrum 30% of CP as DUP Low starch Fibre based energy Oil with balanced fatty acids * Minerals and vitamins	Raw milk Milk replacer Creep feed Course mix Straw Protected fats	<b>UFAC Megabeef</b> <i>(Rumen protected)</i>
<b>GROWING</b> 80 – 350 kg 	DLWG > 1kg High lean deposition Low fat deposition Optimise FCE Healthy rumen function	DMI of 2.5% liveweight 10.5-11.5ME 12-16% CP 30% of CP as DUP Less than 20% starch and sugar Oil with balanced fatty acids * Minerals and vitamins	Grazing Silage Straw Concentrate Distillers grains Soya bean meal Beans Protected fats	<b>UFAC Megabeef</b> <i>(Rumen protected)</i>
<b>FINISHING</b> 350kg to finish 	DLWG > 1.3kg High lean deposition Minimum fat deposition Optimise FCE Healthy rumen function	DMI of 1.7-2% liveweight Minimum 12ME 12-14%CP More than 20% starch and sugars <6% oil with balanced fatty acids * Minerals and vitamins	Grazing Silage Straw Sugar beet pulp Rapeseed meal Cereals Protected fats Feed grade urea Concentrate	<b>UFAC Megabeef</b> <i>(Rumen protected)</i>




In all cases total diet must be tailored to optimise home grown forage analysis and availability

\*C18:1 for optimum feed efficiency, C18:2 for growth, C18:3, C20:5 and C22:6 for immunity and reproduction

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Including balanced fatty acids in the diets improves growth rates and carcass grading.

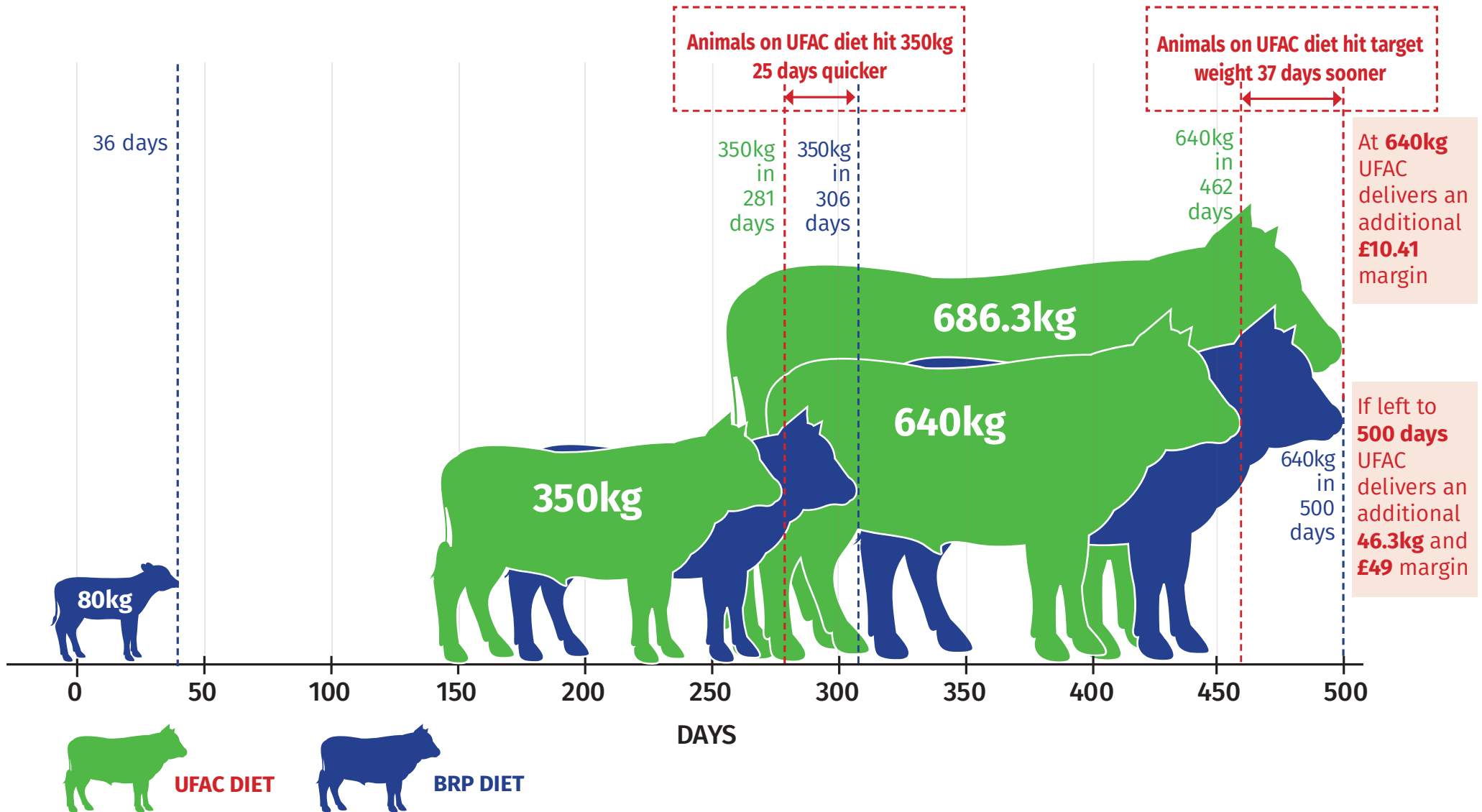


Growth Stage	BRP* typical diet	UFAC NutriOpt diet	Management options and implications		
			Grow to same target weight and finish sooner <b>Finishing at 640kg</b>	Grow to same finishing age but finish heavier animal <b>Finishing at 500 days</b>	
<b>GROWING</b> 80 – 350 kg 	Grass silage 16 kg	Grass silage 16 kg	245 day rearing period  25 days saved  Feed cost effect -£0.85	270 day rearing period  Additional liveweight gain 27kg  Feed cost effect +£32.40	
	Barley 3.5 kg	Barley 3.2 kg			
	Rapeseed meal 0.3 kg	Rapeseed meal 0.3 kg			
		UFAC Megabeef @£600/t 0.3 kg			
	MJ ME/kg DM 11.6	MJ ME/kg DM 12.1			
	CP% DM 13.0	CP% DM 13.0			
	Oil% DM 3.3	Oil% DM 5.1			
	Predicted DLWG (kg) 1.0	Predicted DLWG (kg) 1.1			
Diet cost per day £1.21	Diet cost per day £1.33				
<b>FINISHING</b> 350 kg-finish 	Barley 9.8 kg	Barley 9.3 kg	181 day finishing period  12 days saved  Feed cost effect +£9.44	193 day finishing period  Additional liveweight gain 19.3kg  Feed cost effect +£38.60	
	Rapeseed meal 1.2 kg	Rapeseed meal 1.2 kg			
	Straw 1.5 kg	Straw 1.5 kg			
		UFAC Megabeef @£600/t 0.5 kg			
	MJ ME/kg DM 12.1	MJ ME/kg DM 12.7			
	CP% DM 13.6	CP% DM 13.3			
	Oil% DM 2.9	Oil% DM 5.1			
	Predicted DLWG (kg) 1.5	Predicted DLWG (kg) 1.6			
Diet cost per day £2.23	Diet cost per day £2.43				
* AHDB Beef & Lamb Better Returns Programme			 <p><b>FINANCIAL BENEFITS</b></p>	Total time saved 37 days Feed cost effect +£8.59/head Increased carcass grade at 5p/kgdwt £19	Increased liveweight 46.3kg Increased carcass value £100.00 (assumes 60% killing out and £3.60/kgdwt) Increased carcass grade at 5p/kgdwt £20
				<b>INCREASED MARGIN PER HEAD £10.41</b> <b>9% INCREASE IN ANIMAL THROUGHPUT</b>	<b>TOTAL INCREASED RETURNS £120.00</b> <b>INCREASED FEED COSTS £71.00</b> <b>INCREASED MARGIN PER HEAD £49.00</b>



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Including balanced fatty acids in the diets improves growth rates and carcass grading.



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## MEGA BEEF The recommended fatty acid supplement for rearing and finishing cattle.

### Description

Mega Beef is a unique formulation blend of fatty acids derived from highly digestible raw materials. These oils are blended on specific carriers to give a high energy rumen inert, extremely palatable, dust free and friable meal. This also gives the product excellent handling properties, enabling it to be incorporated in to most feeding systems.

Aims	Features	Benefits
Increase growth rate	Energy dense, 27 MJ/kg DM	Increases energy density (M/D) of diet, improves growth rates
Enhance meat quality	Blend of oils rich in essential fatty acids (C18:2, C18:3 & C18:1)	Increases intramuscular fat deposition and improves quality of carcass finish
Avoid acidosis and bloat	Rumen Inert	Highly concentrated energy source that is not fermented in the rumen, thus avoiding any risk of acidosis and bloat
Maintain DMI	Matrix protection	Maintains rumen function and dry matter intake ensuring forage utilisation of total diet
Maximise energy supply	Highly digestible oil sources	Using soft, readily digested oils ensures maximum utilisation by all classes of livestock
Aid digestibility	Synergistic effect of blended oils	Research shows using variety of oil sources increases overall F.C.E
Maximise feed intake	Highly Palatable	Ensures feed intake is maintained at a high level, giving improved D.L.W.G



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## Feeding rates

Finishing 400 – 600 g / head / day  
Rearing 200 – 400 g / head / day

## Typical analysis

Oil %	50.0
Protein %	2.1
Fibre %	21.0
Ash %	5.2
Dry Matter %	94.0
ME (MJ/kg DM) Ruminant	27

## Typical fatty acid profile (%TFA)

Number	Fatty Acid	%
<C14:0		0.70
C16:0	Palmitic	11.70
C18:0	Stearic	11.90
C18:1	Oleic	28.90
C18:2	Linoleic	17.70
C18:3	Linolenic	2.91
C20:5	EPA	1.77
C22:6	DHA	2.51

