

## Important Note

- Make sure the mandatory instructions, logos and pack shots are up to date and suitable for your country.
- Please check and follow the legal restrictions for advertising in each country!

## Legal Disclaimer

Please note that this promotional material prepared by BAH Global Marketing needs to be reviewed and may require adaptation in line with the local laws and regulations applying in the country where the material is intended to be used.

This material must not be used prior to review and legal approval (by your local legal (internal or external) counsel, or, if not available, by any another competent function, e.g. head of medical or regulatory department), as registered claims, prescription status, legal systems etc. may differ per country.

For example, promotional material which does not comply with US Standards could lead to warning letters issued by the FDA, costly regulatory enforcement action, litigation and disruption of marketing programs and product sales.

With respect to promotional material translated and adapted for Germany, please note that the adapted material must be reviewed again under German Law, even if the global material was approved by Headquarters in Germany.

As you know the required local legal approval described above is part of the LMR Process. Accordingly, on top of the prior legal review, an approval by your local medical and regulatory department is also required.



# Metabolic Moments



SEE THEM THROUGH BODY CONDITION SCORING: BCS IS AN INDICATOR OF THE AMOUNT OF STORED ENERGY RESERVES AND CHANGES WITH DIFFERENT STAGES OF LACTATION

BCS 1  
EMACIATED

- Sharp spinous and transverse processes of lumbar vertebrae due to the almost total absence of adjacent tissue. This gives a prominent shelf-like appearance to the loin.
- Deeply depressed paralumbar fossa.
- No fatty tissue cover around the ischial and coxal tuberosities.
- Prominent hook and pin bones, the rump region and thighs are sunken.
- Limited presence of tissue around the tailhead.
- Deeply depressed ischiorectal fossa.

**COWS TOO THIN**

- Reduced milk yield
- Weak immune system
- Increased incidence of certain diseases
- Delayed resumption of heat cycle after calving

BCS 2  
THIN

- Sharp spinous processes. The shelf-like effect is less visible given the larger amount of soft tissue covering the vertebrae.
- The paralumbar fossa is less depressed.
- Sharp ischial and coxal tuberosities.
- The rump region and thighs are less sunken.
- More tissue accumulated around the tailhead.
- The ischiorectal fossa is slightly covered by fat tissue.

BCS 3  
IDEAL

- Non-prominent spinous processes of lumbar vertebrae that can be felt with light pressure.
- Flat line between the spinous and transverse processes.
- Rounded ischial and coxal tuberosities.
- The rump region and thighs are slightly sunken.
- The ischiorectal fossa is almost unnoticeable but there are no signs of fat accumulation yet.

**IDEAL COWS**

- The goal is cows are in “good” condition at calving—not too thin and not too fat

BCS 4  
FAT

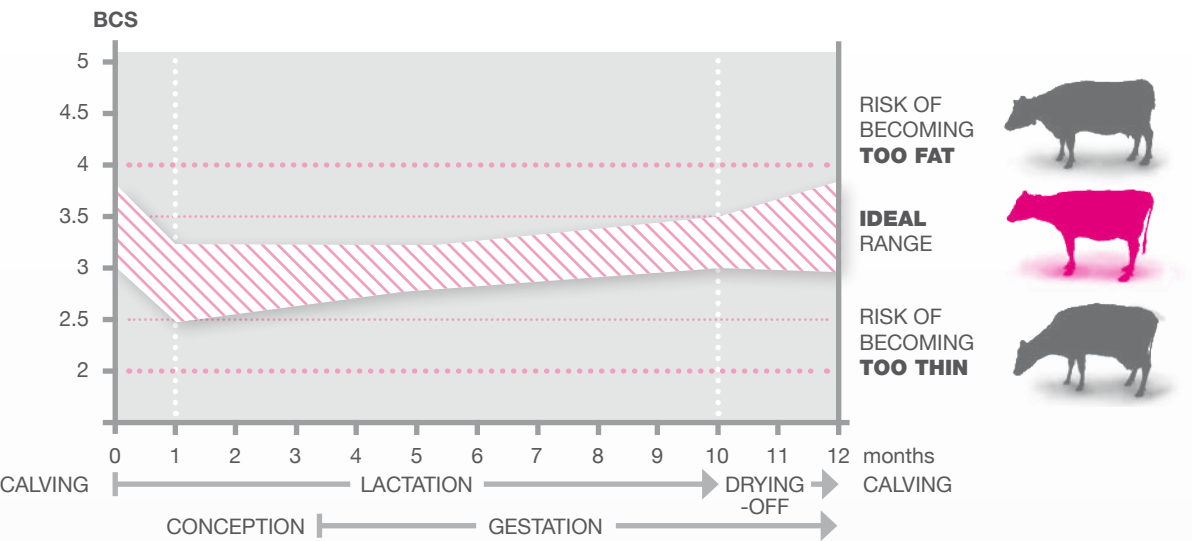
- Spinous processes of lumbar vertebrae can be felt with heavy pressure.
- Evident presence of muscular and fat tissue in the lumbar region.
- Slightly rounded line between spinous and transverse processes.
- Rounded ischial and coxal tuberosities.
- The rump region and thighs are flat.
- Obvious signs of fat accumulation in the tailhead area.

BCS 5  
OVERWEIGHT

- None of the previously mentioned bone structures can be felt because of the large amount of subcutaneous fat.
- The tailhead is buried in fat tissue.
- The pelvis is not palpable even with firm pressure.

**COWS TOO FAT**

- More complications at calving
- Reduction of voluntary dry matter intake in early lactation:
  - Reduced milk production
  - Increased incidence of certain metabolic diseases



RANGE OF IDEAL BODY CONDITION SCORES	
Stage of Lactation	Score
Calving (older cows)	3.0 - 3.75
Calving (first lactation)	3.0 - 3.75
One month postpartum	2.5 - 3.25
Mid-lactation	2.75 - 3.25
Late lactation	3.0 - 3.5
Drying-off	3.0 - 3.5

BODY CONDITION SCORE	Lumbar vertebrae	Rear view (cross-section) of the hook bones	Side view of the line between the hook and the pin bones	Cavity between tailhead and pin bone	
				REAR VIEW	SIDE VIEW
1 Severe underconditioning					
2 Frame obvious					
3 Frame and covering well balanced					
4 Frame not as visible as covering					
5 Severe overconditioning					

