





Who is your client?					
Client	Product offered	Prodcut pursued for	What affects the result and customer satisfaction		
The producer himself	Replacement heifer, breeding bull	Long lasting, functional beef cow or breeding bull	Choosing genetics which work in your own production environment		
Another producer	Replacement heifer, breeding bull, beef cow	Long lasting, functional animals, without any additional risks	Offering carefully thought and discussed genetics that bring added value to the purchasing farm		
Broker/dealer/ auction	Weaned beef calf	Healthy, easily growable calf	Investing in growth traits, using crossbreeding, aiming for consistent beef calf quality = Calf that is profitable to be reared		
Slaughter house	Slaughter cattle (bulls, heifers, cows)	Good quality carcass	Producing slaughter carcasses that meet the criteria of the slaughterhouse (slaughter weight, conformation, fat class) = Investing in genetics and feeding		
Direct sales customer	Best quality beef	Experience and eating quality	Investing in marketing, providing an experience		
Consumer	Best quality beef	Tenderness, taste, consistent quality	High quality product that the consumer knows how it is produced. And will confidently purchase again.		
Environment	Conservation of biodiversity	The lowest possible environmental impact	Beef produced efficiently, responsibly and maximizing the farm resources		





<ol> <li>Increasing the grass production yield         <ul> <li>When the yield is increased less forage production area is needed</li> </ul> </li> <li>Invest in a good-quality, suitable crop         <ul> <li>Less purchased feed is needed, less waste</li> </ul> </li> <li>Grazing is the cornerstone of beef cow production         <ul> <li>Production goal should be enhancing grazing efficiency</li> <li>The better the grazing results, the less harvested forage &amp; feeds are needed</li> </ul> </li> <li>The aim should be on forage selfsufficiency         <ul> <li>Feed inputs purchased outside to the farm increase especially nutrient wastage, soil acidification, nitrogen leaching etc. In beef cow production (Soteriades ym. 2019)</li> </ul> </li> </ol>	<ul> <li>Use a wide variety of grass plants <ul> <li>At least 4-5 different perennial grasses or legumes</li> <li>Make effective use of nitrogen fixation of the legumes</li> <li>Plants with deep and dense roots</li> <li>Mixed crops</li> <li>Versitile mixtures increase biodiversity</li> </ul> </li> <li>Year-round vegetation cover <ul> <li>Plants sown in autumn (e.g. rye, triticale)</li> </ul> </li> <li>Take care of the density of the vegetation <ul> <li>Harvest long into long enough stubble</li> <li>If necessary use sod seeding</li> <li>Aim for long lasting, high yielding grasses leys</li> </ul> </li> <li>Take care of the growth condition of the land</li> <li>Use effectively the manure nutrients</li> <li>Avoid overgrazing <ul> <li>Use pasture rotation</li> <li>Pay attention animal density/area</li> </ul> </li> </ul>
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<ul> <li>Grazing potential 5000-3200 kg DM/ha</li> <li>Lenght 30-35 cm <ul> <li>Optimal starting lenght</li> <li>On the second round the staring lenght drops around 10 cm</li> </ul> </li> <li>The grass "bends", no flowerings</li> </ul>	
<ul> <li>Grazing potential 2000 kg DM/ha         <ul> <li>➢ Grass density will effect the grazing potential</li> </ul> </li> <li>Lenght approx. 8 cm         <ul> <li>➢ This kind of ley would need an additional 14 days growth period so that the photosyntesis does not drop</li> </ul> </li> </ul>	
<ul> <li>Grazing potential under 1000 kg DM/ha</li> <li>Lenght 4-5 cm</li> <li>➤ The cattle cannot graze enough, grass is too short</li> <li>➤ Beef cows loose condition score, calves can be ok</li> </ul>	

## The grazing lenght should be kept in 8-10 cm

The final grass ley lenght >10cm, when there are young and/or inexperienced grazer

The final grass ley lenght, when there are <u>experinced older beef</u> <u>cows</u> (customed to grazing practices)



## Attention!

<u>Natural and forest pastures + 4-5 cm</u> (recommended final height ~15 cm), because the vegetation is usually sparser, more diverse and more rapidly loosing digestibility than in cultivated pastures













**Biological efficiency** 







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