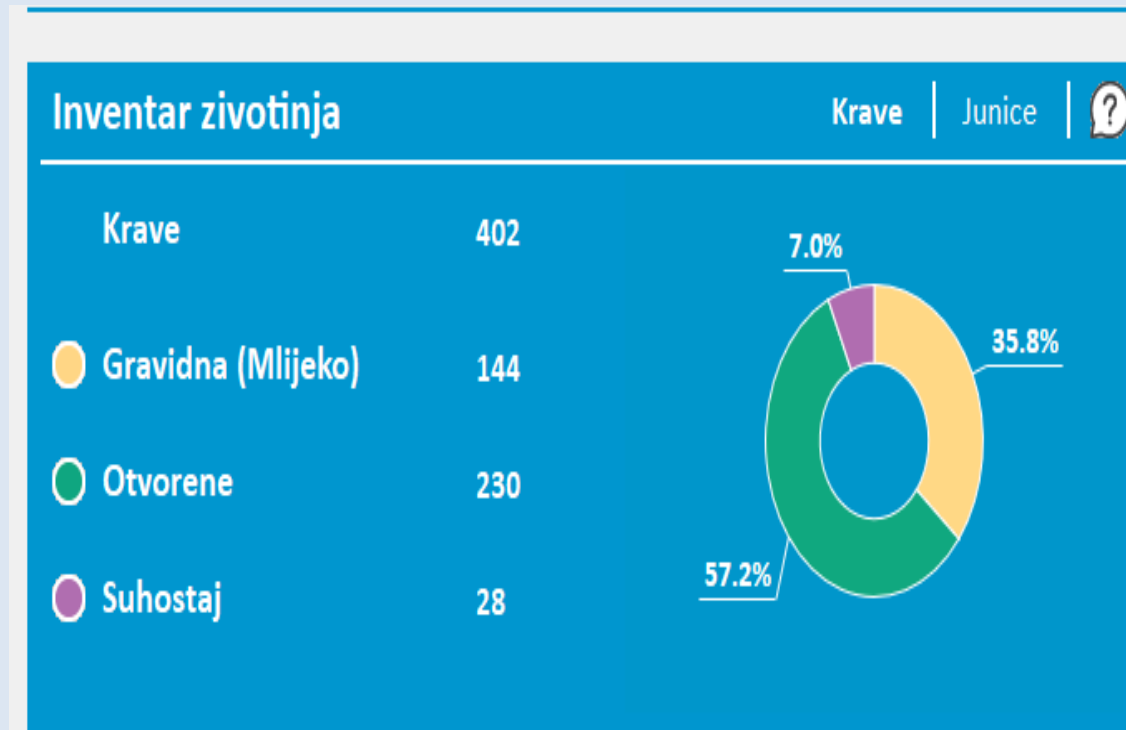


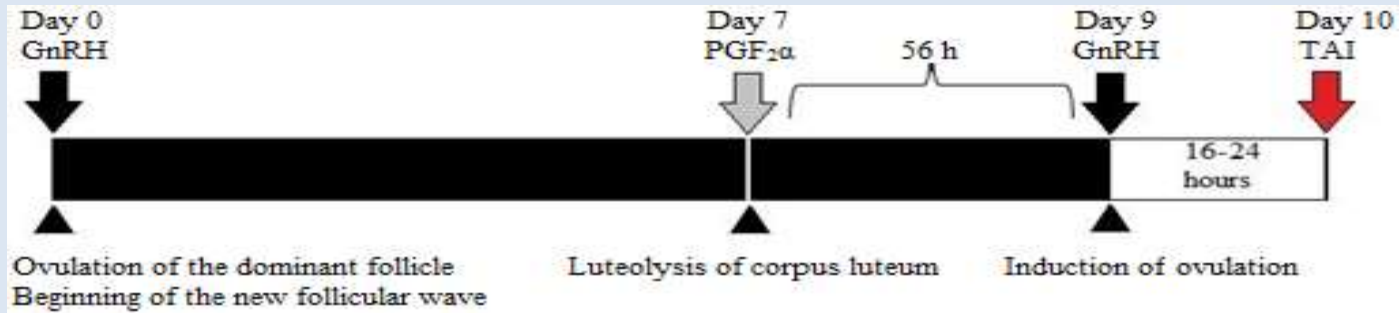
# Panel diskusija – upravljanje reprodukcijom na govedarskim farmama



# Procena stanja zapata



# Ovsynh protokol



- Cilj – osemenjavanje krave u prvih 100 dana

# Modifikacije ovsynh protokola

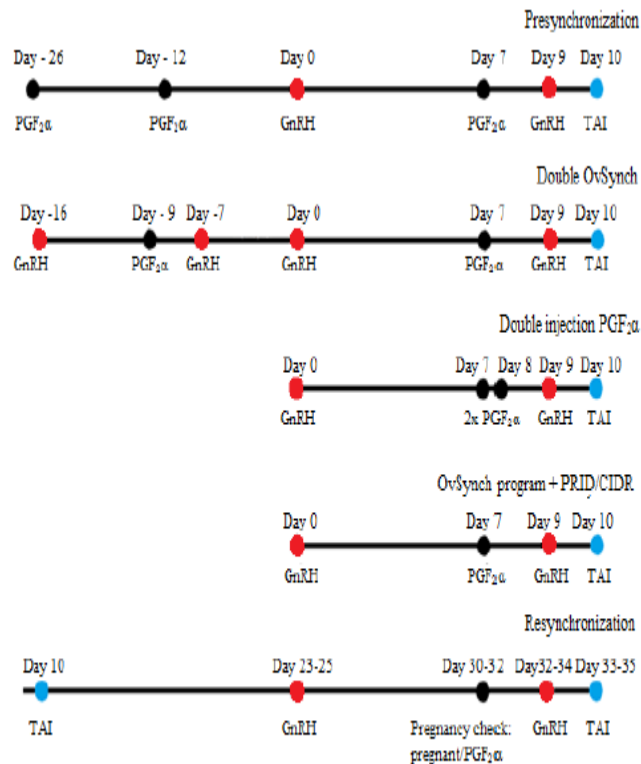


Fig. 2. Schemes of OvSynch modifications (PRID – Progesterone-releasing intra-vaginal device, CIDR – controlled internal drug release containing progesterone, TAI – timed artificial insemination)

- Presynch
- Double ovsynch
- Double pgf2 alfa
- Prid delta
- Neposredno pre PD
- PGF2 alfa !!!

# Uticaj jedinike na rezultat

Broj krave	br grupe	septemb	oktobar	novem	decem	jan	feb	dana u muži	dana od VO				
		dnevno	dnevno	dnevno	dnevno	dnevno	dnevo			I gr	II gr	zbirno	
911	1					24	20	103	45				
1639	1	26	25	28	26	28	30	165					
1647	1		26	26	26	28	28	138	68				
1656	1				40	37	34	86	18				
1657	1	30	20	26	24	25	30	253	167				
1706	1					38	40	59					
1735	1	27	26	28	24	25	26	176	88	oktb	23,21	15,75	20,78
1789	1	30	32	34	33	28	26	249	193	nov	25,21	15,17	21,45
2010	1				32	36	34	97	37	dec	25,32	15,94	21,87
2013	1						30	36		jan	28,16	18,35	24,76
2165	1		29	28	22	28	26	121	48	feb	28,76	19,72	25,23
2166	1			24	36	32	28	93					
2167	1			27	21	24	22	103	29				
2256	1	30	27	33	26	28	25	253	192				
2453	1	34	30	36	30	32	34	170	50				
3066	1	30	28	24	30	25	26	152	68				
4463	1						34	10					
4470	1	25	18	24	26	30	28	228	51				
4601	1			20	24	30	30	92	24				

# Bikovi u osemenjavanju

Ime bika	ID bika	1. normalo osjem.	SK 1. osjem.	2. normal osjem.	SK 2. osjem.	3 i vise normalih osjem.	SK 3+ osjem.	Junice	Krave	Ukupno normalnih osjem.	Junice SK	Krave SK	SK ukupno
Hisere	FR3802799846	10	40.00	1	--	--	--	10	1	11	40.00	--	36.36
FORCLAZ	FR2530537539	64	45.31	45	57.78	61	40.98	32	138	170	68.75	42.03	47.06
EMERICH	460291329	5	40.00	4	75.00	3	66.67	3	9	12	100.00	44.44	58.33
INGENIO	FR2527807548	12	25.00	9	66.67	12	58.33	1	32	33	--	50.00	48.48
MILTON	FR0116003935	170	48.24	89	49.44	80	52.50	64	275	339	53.13	48.73	49.56
Istapic	FR2531092169	58	53.45	9	22.22	1	--	65	3	68	50.77	--	48.53
Jingle	FR4314165514	16	50.00	4	50.00	5	40.00	2	23	25	50.00	47.83	48.00
HELUX	FR007120053828	130	52.31	78	53.85	68	44.12	73	203	276	57.53	48.28	50.72
HARIS	882976669	5	40.00	4	50.00	5	20.00	6	8	14	50.00	25.00	35.71
KANSAS	0537926563	--	--	2	50.00	1	--	--	3	3	--	33.33	33.33

# Uticaj plotkinje na rezultat

		Junice	Junice %	1. lakt.	1. lakt. %	2. lakt.	2. lakt. %	3+ lakt.	3+ lakt. %	Sve krave	Sve krave %	Ukupno	Ukupno %
<i>Standardne stope osjem. i koncepcije</i>													
Prva osjemenjivanja	S.K.	152	55.26	93	53.76	151	44.37	74	37.84	318	45.60	470	48.72
Druga osjemenjivanja	S.K.	70	54.29	59	66.10	75	45.33	41	41.46	175	51.43	245	52.24
Trece osjemenjivanje	S.K.	24	66.67	26	46.15	37	64.86	20	50.00	83	55.42	107	57.94
Četvrto + više osjemenjivanja	S.K.	10	40.00	65	40.00	22	45.45	32	21.88	119	36.13	129	36.43
Ukupna osjemenjivanja	S.K.	256	54.69	243	46.91	285	44.91	167	37.13	695	43.74	951	46.69

# Ispitivanje metaboličkog statusa – deficit energije

ukup prot	albumini	globulini	bilirb uk	AST	GGT	glucosa	Ca	P	Mg	urea	trigliceridi	BHB	NEFA	ALP	ALT	kreatinin
67	39	38	11.9	84	35	2.8	2.21	2.31	0.93	7.6	0.09	1.03	0.74	26	20	130
71	32	39	5.57	85	41	3.2	2.41	2.6	1.11	7.2	0.08	1.2	1.11	38	30	148
74	36	38	5.24	129	71	1.63	1.95	2.37	1.17	7.43	0.09	2.22	1.32	29.1	23.5	59.9
66	40	26	14.7	30	50	1.2	2.2	1.7	1.28	7.2	0.09	2.58	0.99	31	20	55.7
<b>69.50</b>	<b>36.75</b>	<b>35.25</b>	<b>9.35</b>	<b>82.05</b>	<b>49.25</b>	<b>2.21</b>	<b>2.19</b>	<b>2.25</b>	<b>1.12</b>	<b>7.36</b>	<b>0.09</b>	<b>1.76</b>	<b>1.04</b>	<b>31.02</b>	<b>23.39</b>	<b>98.31</b>

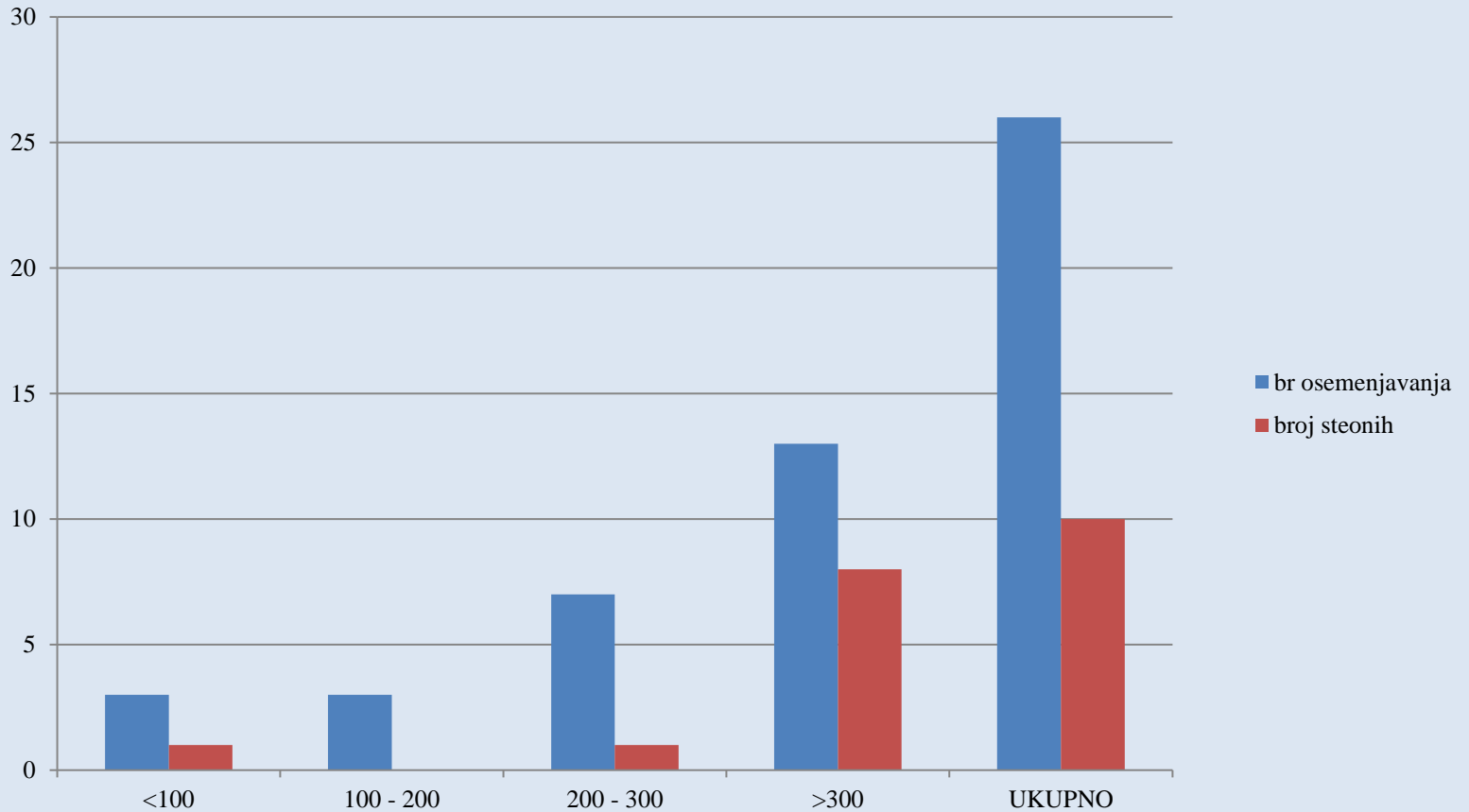
<b>60-80</b>	<b>35-42</b>	<b>27-49</b>	<b>0-13.68</b>	<b>45-110</b>	<b>4.9-26</b>	<b>2.2-4.07</b>	<b>2-2.8</b>	<b>1.8-2.52</b>	<b>0.8-1.3</b>	<b>2.78-8.78</b>	<b>0.2-0.5</b>	<b>0.4-0.8</b>	<b>0.4-0.8</b>	<b>17.5-152.7</b>	<b>6.9-35.3</b>	<b>53.04-159.12</b>
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## Bolesna životinja – gubitak f-ija jetre

ukup prot	albumini	globulini	bilirb uk	AST	GGT	glucosa	Ca	P	Mg	urea	trigliceridi	BHB	NEFA	ALP	ALT
73,5	20,6	53,1	13,5	279,6	42,3	1,82	1,16	1,75	0,55	2,61	0,11	1,12	0,91	102	17,2



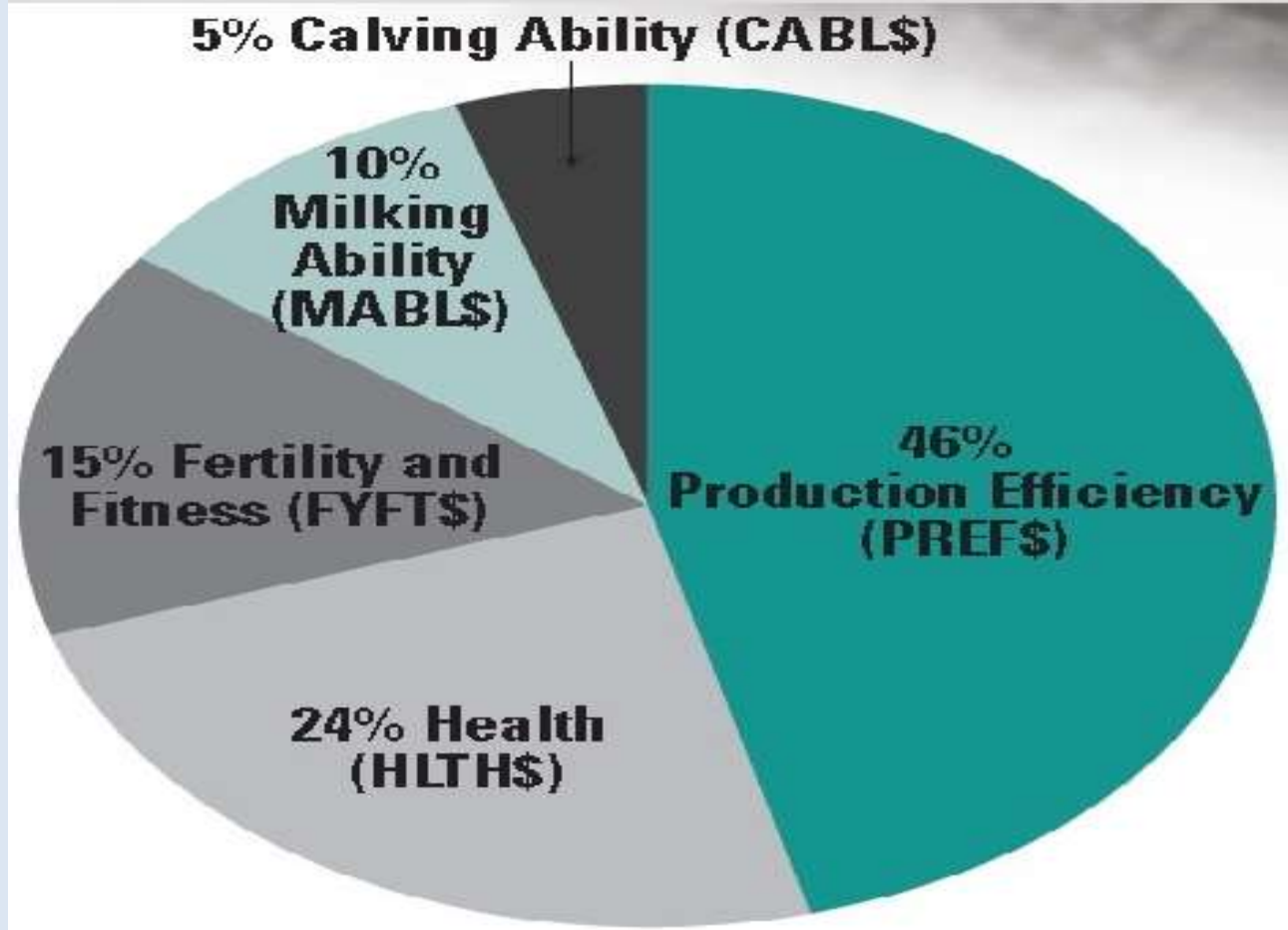
# Deficit energije – uticaj na reprodukciju



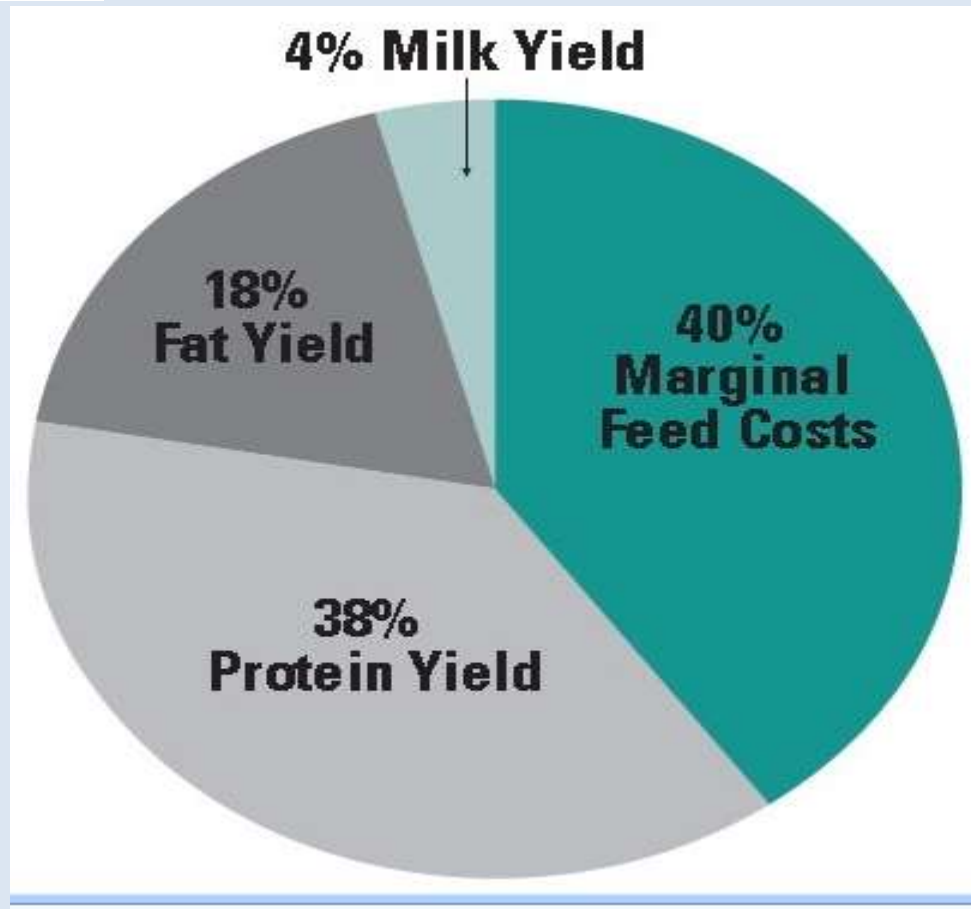
# Metabolički profil – aktuelna situacija

ukup prot	alb	globul	ukup bilirub	AST	ALT	GGT	ALP	Ca	P	Mg	urea	holest	triglicr	BHB	NEFA
69,2	30,7	38,5	4,6	108,2	38,1	49,7	145,2	1,1	2,3	0,72	3,2	6,1	0,27	0,59	0,7
69,1	25,3	43,8	5,7	72,6	31,2	37,2	132,2	1	2,3	0,81	0,8	3,9	0,11	0,61	0,65
68,2	27,1	41,1	8,7	61,4	19,4	21,1	111,5	0,9	2,8	0,9	3,1	4	0,1	0,62	0,58
70,1	25	45,1	8,4	65,1	25,5	43,8	123,2	1	2,3	1,32	1,7	3,9	0,26	0,98	0,72
<b>69,15</b>	<b>27,03</b>	<b>42,13</b>	<b>6,85</b>	<b>76,83</b>	<b>28,55</b>	<b>37,95</b>	<b>128,0</b>	<b>1,00</b>	<b>2,43</b>	<b>0,94</b>	<b>2,20</b>	<b>4,48</b>	<b>0,19</b>	<b>0,70</b>	<b>0,66</b>

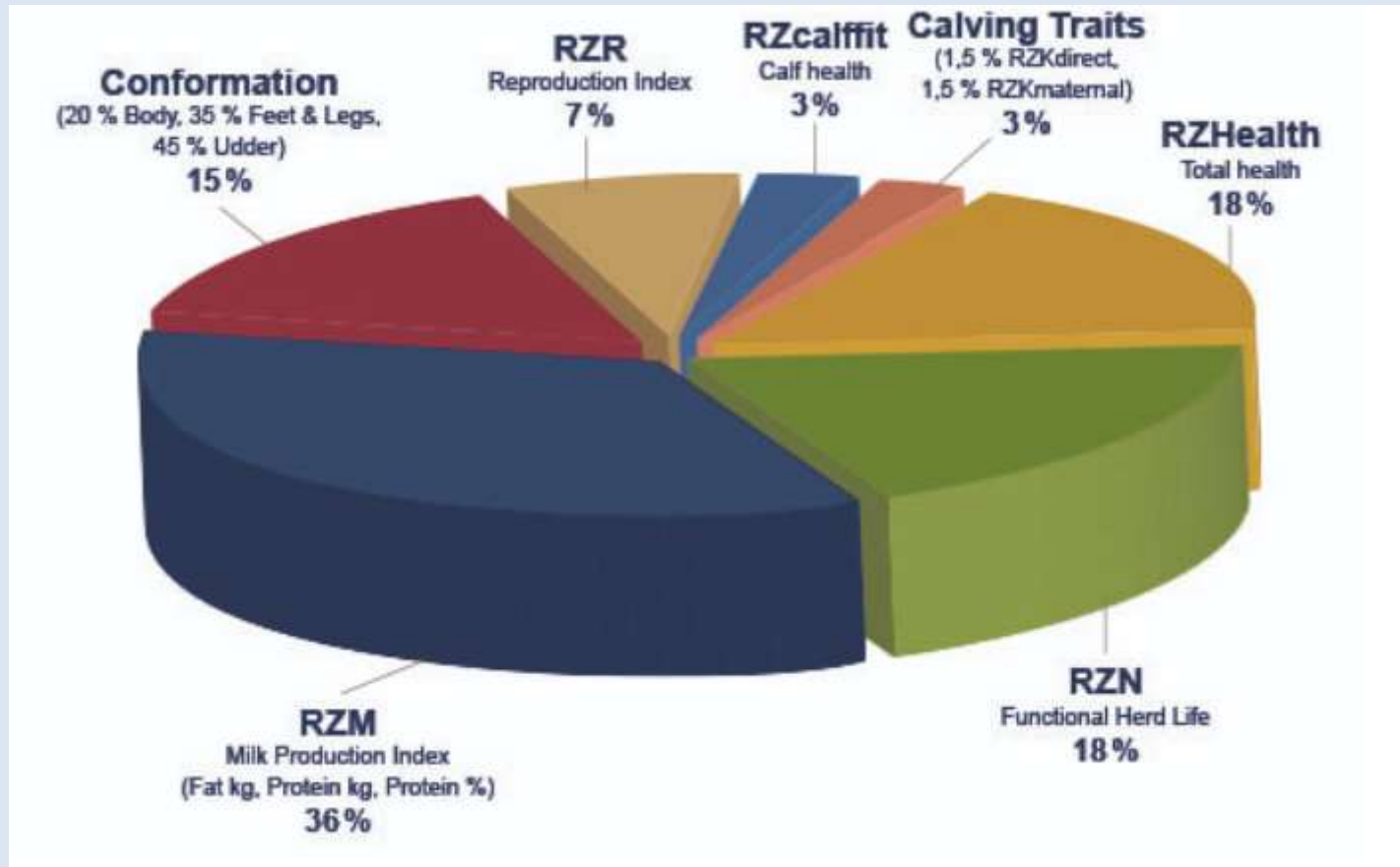
# Idealna komercijalna krava” - ICC index -



# Proizvodna efikasnost



# Procena vrednosti bikova - RZG -



# Uticaj genetike

<b>gRZM</b>	Milk Production Index				<b>93</b>
Daugh. 33451 / Herds 5750		Rel. 99%			
Milk kg	Fat %	Fat kg	Protein %	Protein kg	
<b>+91</b>	<b>-0.27</b>	<b>-23</b>	<b>-0.06</b>	<b>-3</b>	
<b>gRZE</b>	Total Conformation Index				<b>127</b>
Daugh. 7744 / Herds 1876		Rel. 99%			
Dairy Type	Body	Feet & Legs	Udder		
<b>108</b>	<b>92</b>	<b>130</b>	<b>119</b>		
<b>gRZHealth</b>	Total Health Index	Rel. 99%	<b>115</b>		
RZudderfit	RZhoof	DDcontrol	RZrepro	RZmetabol	
<b>105</b>	<b>118</b>	<b>126</b>	<b>111</b>	<b>106</b>	
<b>gRZN</b>	Functional Herd Life	Rel. 99%	<b>118</b>		
<b>gRZS</b>	Somatic Cell Count	Rel. 99%	<b>110</b>		
<b>gRZD</b>	Milking Speed	Rel. 99%	<b>106</b>		
<b>gRZR</b>	Daughter Fertility	Rel. 99%	<b>129</b>		
<b>gRZRobot</b>	Robot Index	Rel. 99%	<b>139</b>		
<b>gRZcalffit</b>	Calf Health	Rel. 99%	<b>101</b>		
<b>gRZKd</b>	Calving paternal	Rel. 99%	<b>109</b>		
<b>Calving Ease</b>	<b>Average-Easy</b>				

<b>gRZM</b>	Milk Production Index				<b>151</b>
Daugh. 0 / Herds 0		Rel. 75%			
Milk kg	Fat %	Fat kg	Protein %	Protein kg	
<b>+1556</b>	<b>+0.15</b>	<b>+80</b>	<b>+0.11</b>	<b>+67</b>	
<b>gRZE</b>	Total Conformation Index				<b>121</b>
Daugh. 0 / Herds 0		Rel. 72%			
Dairy Type	Body	Feet & Legs	Udder		
<b>112</b>	<b>103</b>	<b>108</b>	<b>117</b>		
<b>gRZHealth</b>	Total Health Index	Rel. 70%	<b>120</b>		
RZudderfit	RZhoof	DDcontrol	RZrepro	RZmetabol	
<b>109</b>	<b>110</b>	<b>115</b>	<b>106</b>	<b>113</b>	
<b>gRZN</b>	Functional Herd Life	Rel. 67%	<b>119</b>		
<b>gRZS</b>	Somatic Cell Count	Rel. 77%	<b>105</b>		
<b>gRZD</b>	Milking Speed	Rel. 77%	<b>96</b>		
<b>gRZR</b>	Daughter Fertility	Rel. 55%	<b>105</b>		
<b>gRZRobot</b>	Robot Index	Rel. 74%	<b>112</b>		
<b>gRZcalffit</b>	Calf Health	Rel. 49%	<b>119</b>		
<b>gRZKd</b>	Calving paternal	Rel. 62%	<b>111</b>		
<b>Calving Ease</b>	<b>Average-Easy</b>				

Hvala na pažnji!!!

