

ALLIMAX: farm results 2019

Farm: Shdema, 600 milk cows at Kibbutz Dorot, Israel, in 2019 13,238 k"g milk/cow/305 days S.C.C 179,000 Fat 3.9% Protein 3.33%

Presented by: Amin Al-Ziadna (health and fertility responsible)

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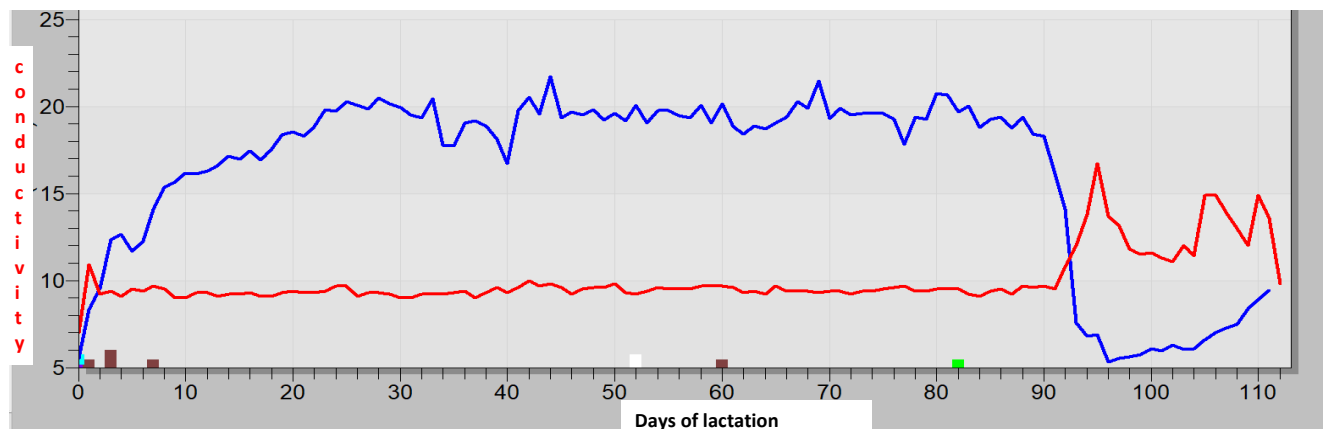
Cell counts at Milk Recordings 3 months before and after bolus											
	Cow N°	Lactation N°	MR -3	MR -2	MR -1	Bolus	MR +1	MR +2	MR +3	antibiotic treatment	Lab Analysis
1	6791	5	1564	853	8576	Mastitis	22	102	285	NO	Staphylococcus (not aureus)
2	6876	6	523	343	3010	Mastitis	115	127	84	NO	Staphylococcus (not aureus)
3	7019	5			18190	Mastitis	571	2928	29	NO	Staphylococcus (not aureus)
4	7098	5	131	106	636	HCC	39	22	25	NO	no analysis
5	7260	4	366	2082	5347	Mastitis	140	70	128	NO	E. Coli
6	7504	3	135	611	3427	Mastitis	1014	158	148	NO	Stretococcus Uberis
7	7569	2	151	1483	1519	Mastitis	295	179	121	NO	E. Coli
8	7634	3	109	91	8437	Mastitis	193	119		NO	Corynebacterium bovis
9	7689	3	1548	222	11069	HCC	277	81	89	NO	no analysis
10	7709	3	322	1874	1077	Mastitis	507			NO	no pathogen
11	7719	3		43	1156	Mastitis	75	189	170	NO	Pathogen present but no culture development
12	7879	2	294	233	127	Mastitis	53	55	50	NO	no culture development
13	8218	1	898	899	1022	Mastitis	70	190	41	NO	Staphylococcus (not aureus)
Average 3,5			549	737	4892		259	352	106		

Milk production 3 days before and after bolus (same cows)											
	Cow N°	Lactation N°	Day -3	Day -2	Day -1	Bolus Day	Day +1	Day +2	Day +3	antibiotic treatment	Lab Analysis
1	6791	5	51	48	44	41	59	55	57	NO	Staphylococcus (not aureus)
2	6876	6	54	52	47	42	52	51	55	NO	Staphylococcus (not aureus)
3	7019	5	62	63	44	25	46	45	50	NO	Staphylococcus (not aureus)
4	7098	5	42	41	38	35	41	40	42	NO	no analysis
5	7260	4	60	51	48	40	57	58	63	NO	E. Coli
6	7504	3	46	40	39	37	43	48	50	NO	Stretococcus Uberis
7	7569	2	34	34	32	29	34	33	35	NO	E. Coli
8	7634	3	16	45	16	4	4	15	25	NO	Corynebacterium bovis
9	7689	3	70	67	37	13	18	31	48	NO	no analysis
10	7709	3	48	45	45	41	45	47	48	NO	no pathogen
11	7719	3	54	53	50	48	51	52	55	NO	Pathogen present but no culture development
12	7879	2	45	44	42	38	44	45	45	NO	no culture development
13	8218	1	33	35	34	31	35	33	35	NO	Staphylococcus (not aureus)
Average 3,5			47	48	40	33	41	43	47		

Clinical mastitis without bolus:

Blue curve: milk production per day

Red curve : conductivity



Clinical mastitis WITH bolus:

Blue curve: milk production per day

Red curve : conductivity

The 2 other curves are measuring the activity (green) and the restlessness of the cow (pink) for heat detection.

