

Silage additive control with EM

Chamber of agriculture Schleswig-Holstein
D-24783 Osterrönfeld

Base material: 2 x grass
1 x clover-grass

Experimental setup: 3 control groups with 3 recurrences of each
3 test groups EM with 3 recurrences of each

Test result: Averages with and without EM

	grass		clover-grass		grass	
	EM		EM		EM	
	with	without	with	without	with	without
TM-content %	25,30	25,80	26,50	26,40	23,60	22,90
pH value 3/5T	4,50	4,30	4,40	4,30	4,50	4,40
pH value after 90 days	4,50	4,40	4,40	4,20	4,20	3,90
lactic acid	1,41	2,01	1,86	2,92	1,61	2,47
acetic acid	1,88	1,56	0,63	1,45	1,00	1,33
lactic acid / acetic acid	0,80	1,30	2,90	2,00	1,60	1,90
ammonia fraction	14,00	14,00	8,00	7,00	12,00	9,00
TM-losses	11,20	11,00	9,10	10,70	9,30	10,90
stability after days of sampling	2,90	5,80	3,80	7,00	2,80	7,00
stability – losses to the seventh day after sampling	16,50	1,60	10,00	0,00	19,90	0,00
pH-value after ending the fermentation test afterwards	8,80	4,30	7,30	3,70	8,00	3,90