

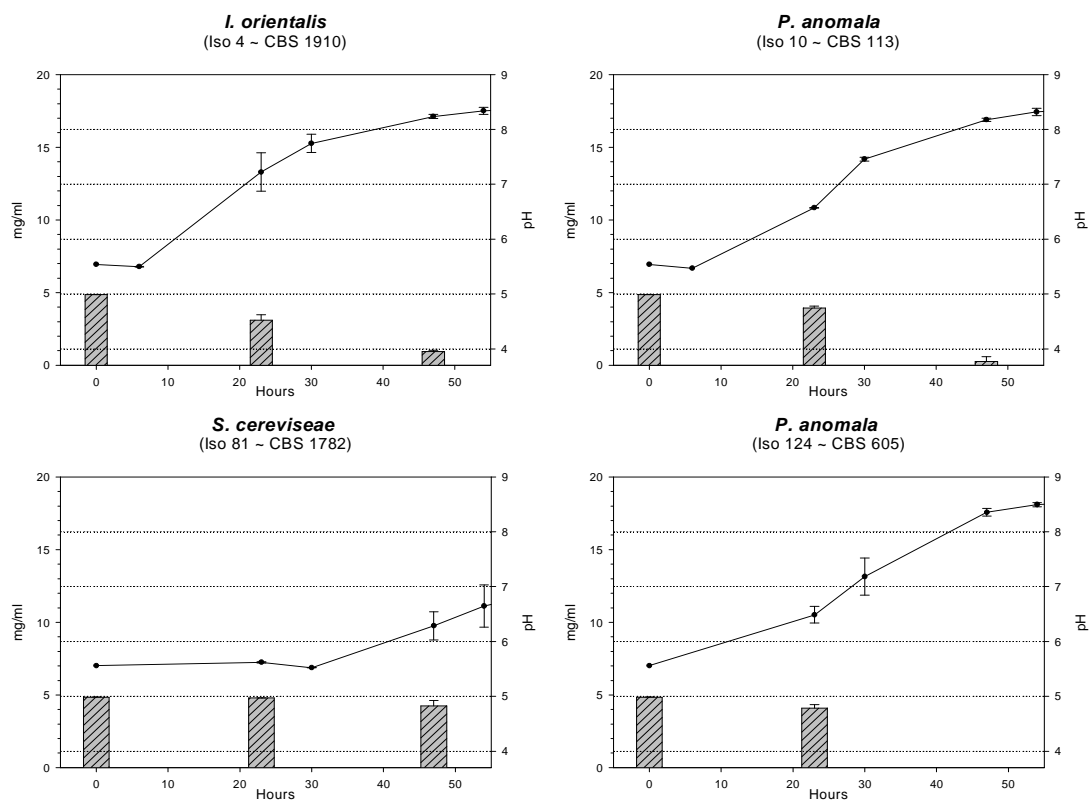
Figures A: Changes in pH and lactic acid concentration over 54 h in medium 2, Experiment A 2, error bars = s.d.

Figure 1 (top left): Inoculated with *Issatchenkia orientalis*

Figure 2 (down left): Inoculated with *Saccharomyces cerevisiae*

Figure 3 (top right): Inoculated with *Pichia anomala* (CBS 113)

Figure 4 (down right): Inoculated with *Pichia anomala* (CBS 605)



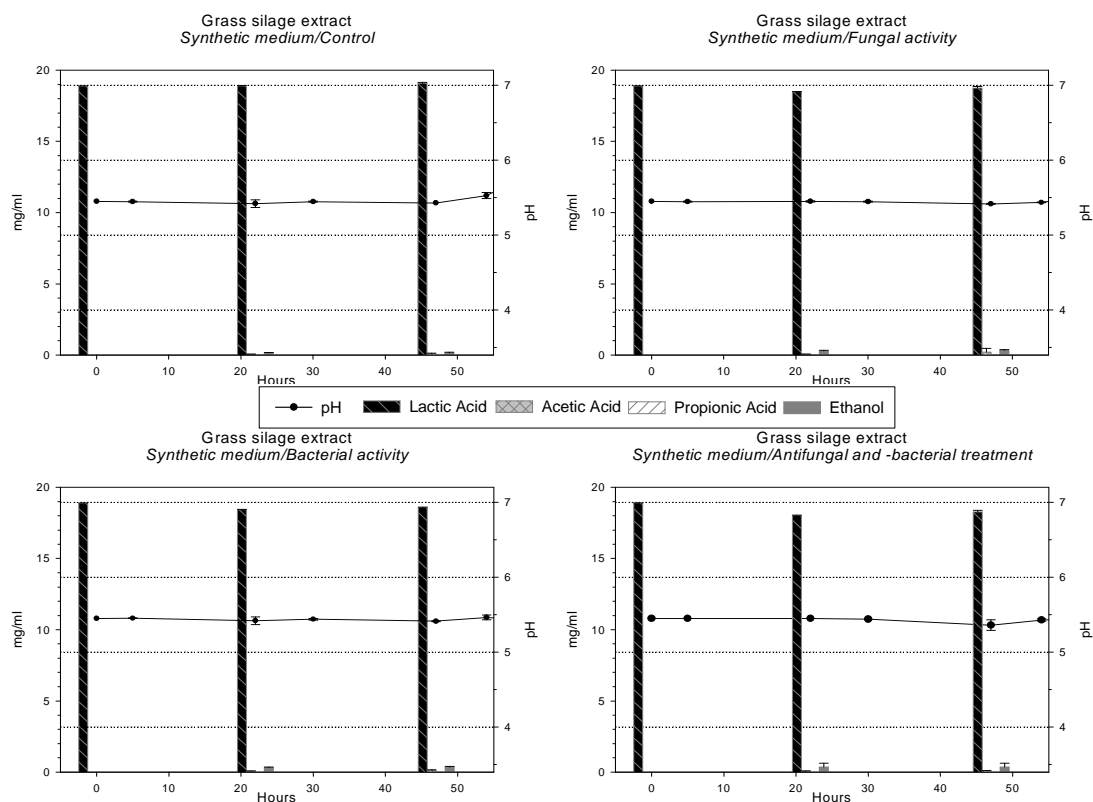
Figures B: Changes in pH and lactic acid concentration over 54 h in medium 4, Experiment A 2, error bars = s.d.

Figure 5 (top left): Inoculated with *Issatchenkia orientalis*

Figure 6 (down left): Inoculated with *Saccharomyces cerevisiae*

Figure 7 (top right): Inoculated with *Pichia anomala* (CBS 113)

Figure 8 (down right): Inoculated with *Pichia anomala* (CBS 605)



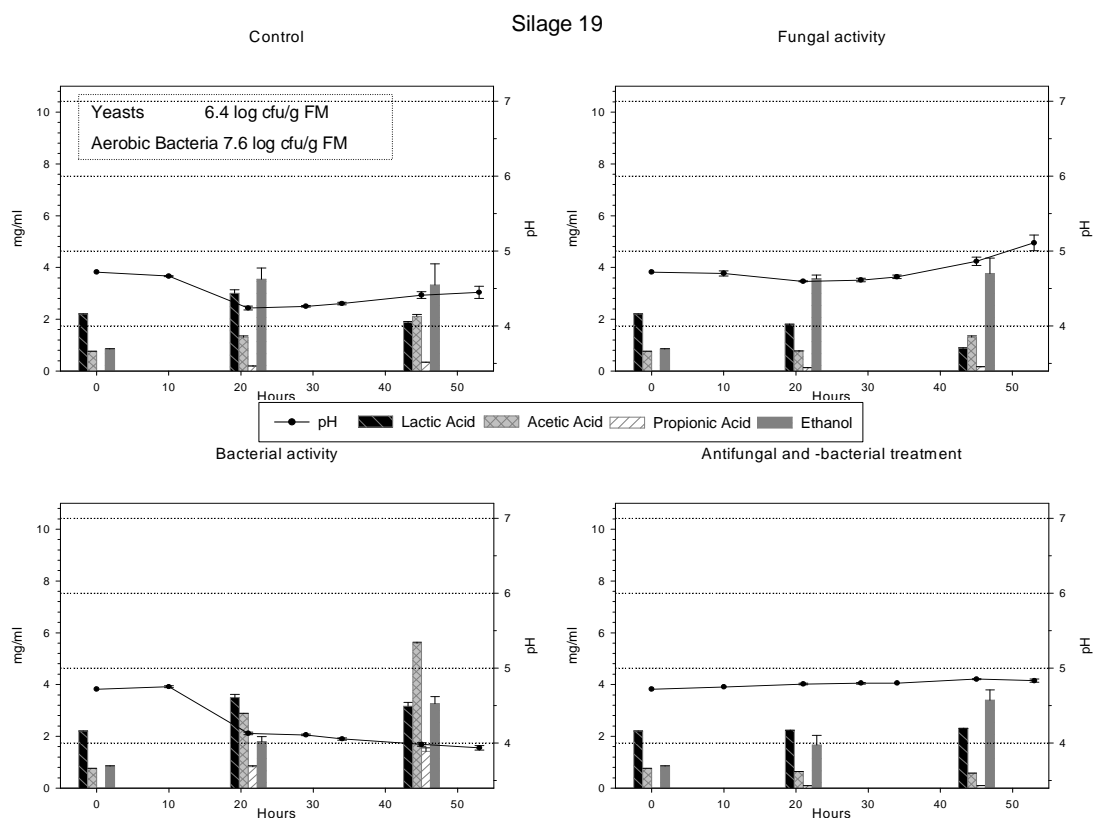
Figures C: Changes in pH and some chemical components [mg/ml] in medium 2 inoculated with mixed micro-flora from grass silage over 54 h, Experiment B 1, error bars = s.d.

Figure 9 (top left): Control

Figure 10 (down left): Antimycotic treatment

Figure 11 (top right): Antibacterial treatment

Figure 12 (down right): Antimycotic and -bacterial treatment



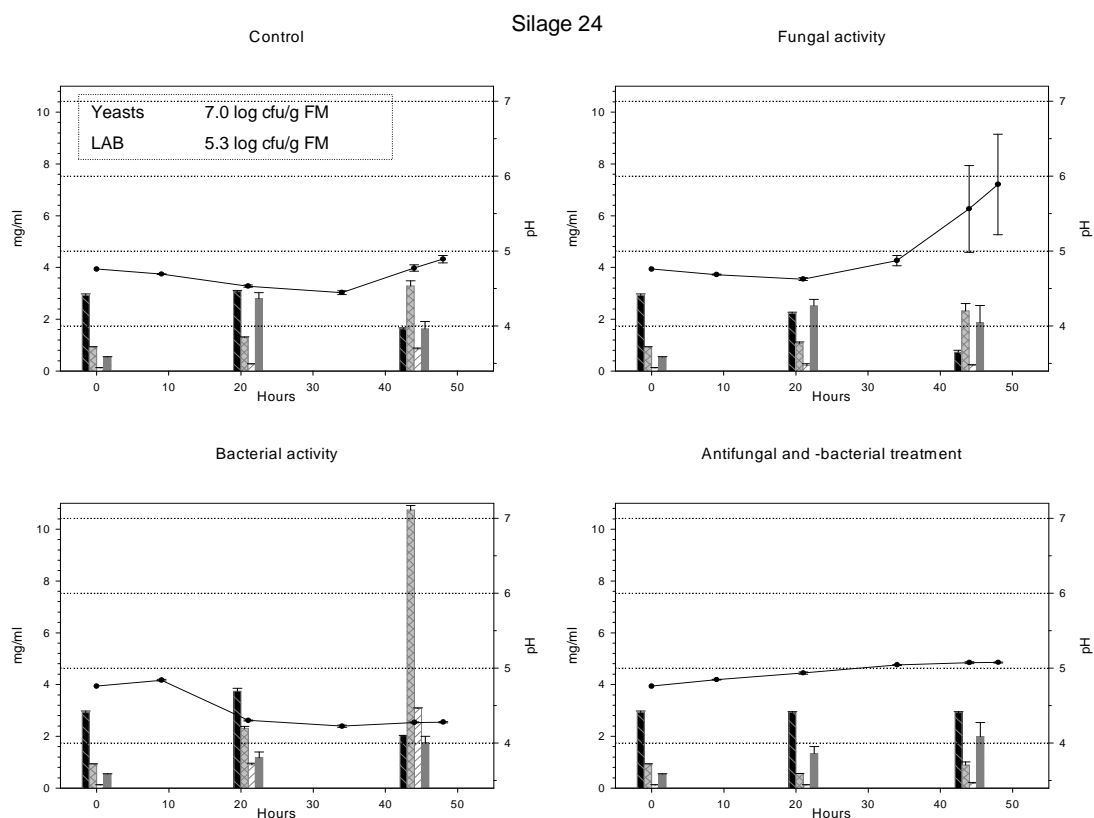
Figures D: Changes in pH and some chemical components [mg/ml] in medium from silage 19 over 53 h, Experiment C 1, error bars = s.d.

Figure 13 (top left): Control

Figure 14 (down left): Antimycotic treatment

Figure 15 (top right): Antibacterial treatment

Figure 16 (down right): Antimycotic and -bacterial treatment



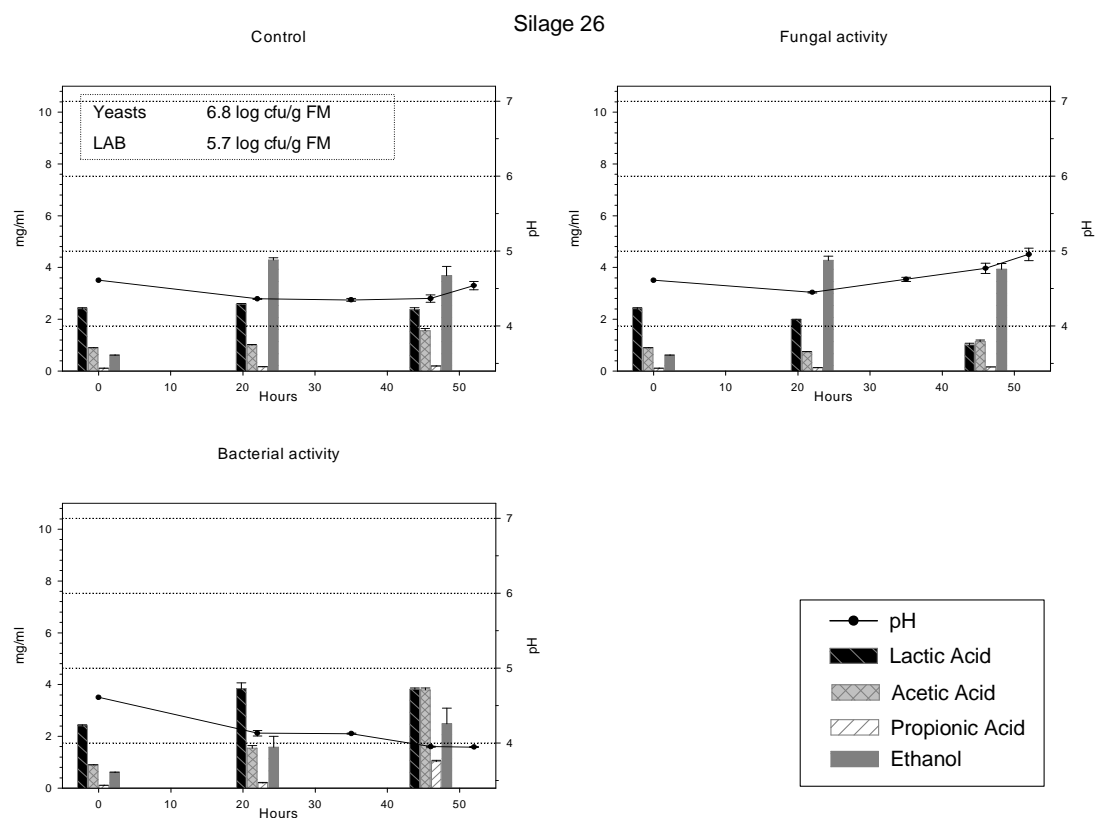
Figures E: Changes in pH and some chemical components [mg/ml] in medium from silage 24 over 48 h, Experiment C 1, error bars = s.d.

Figure 17 (top left): Control

Figure 18 (down left): Antimycotic treatment

Figure 19 (top right): Antibacterial treatment

Figure 20 (down right): Antimycotic and -bacterial treatment

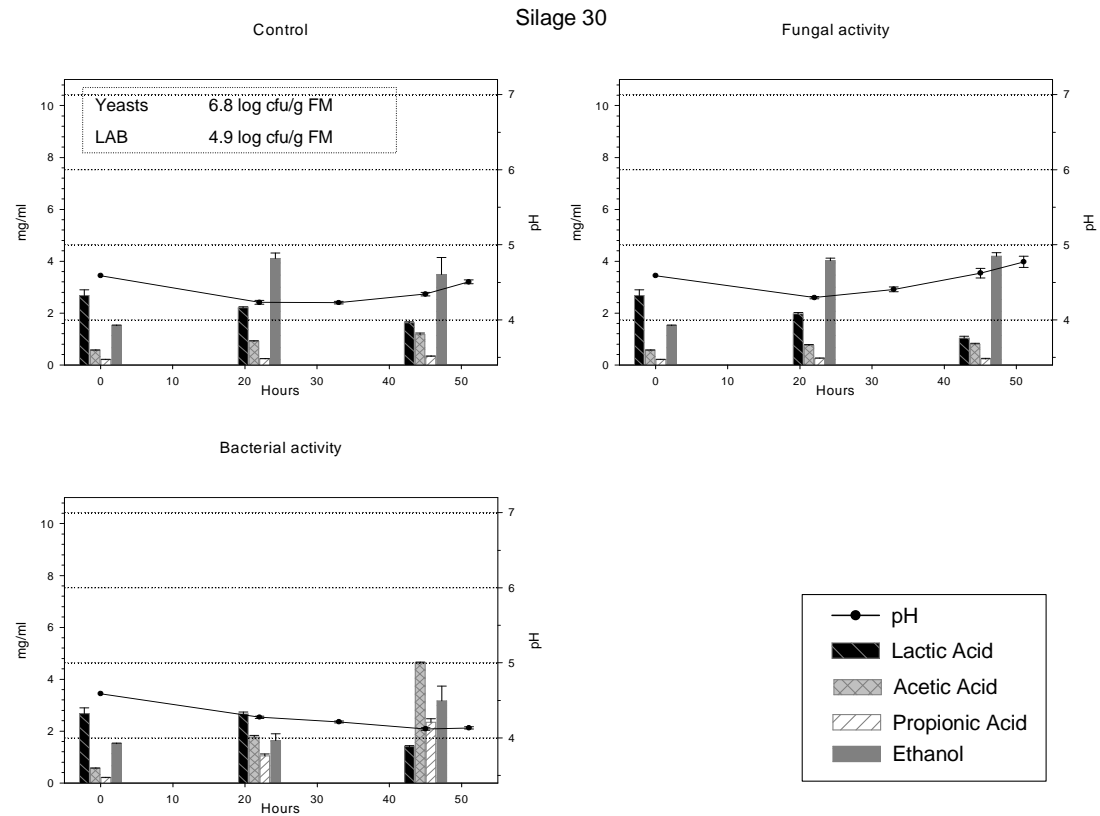


Figures F: Changes in pH and some chemical components [mg/ml] in medium from silage 26 over 52 h, Experiment C 1, error bars = s.d.

Figure 21 (top left): Control

Figure 22 (down left): Antimycotic treatment

Figure 23 (top right): Antibacterial treatment

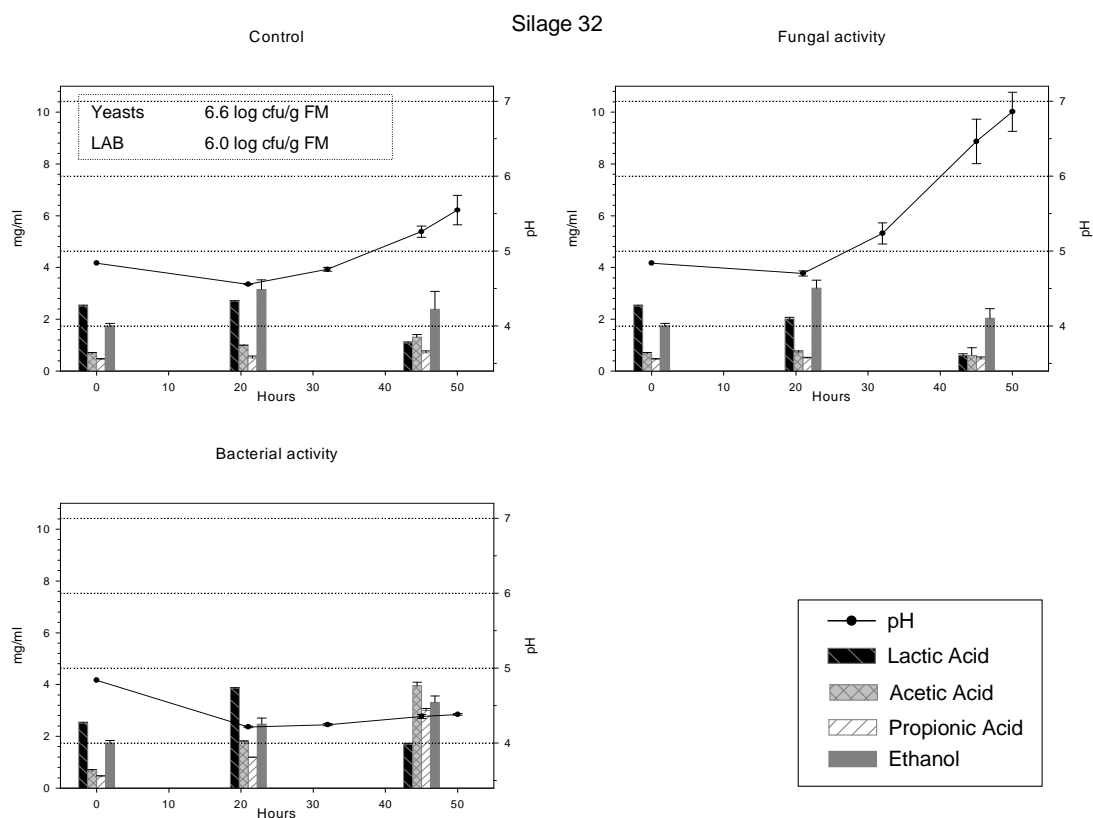


Figures G: Changes in pH and some chemical components [mg/ml] in medium from silage 30 over 51 h, Experiment C 1, error bars = s.d.

Figure 24 (top left): Control

Figure 25 (down left): Antimycotic treatment

Figure 26 (top right): Antibacterial treatment



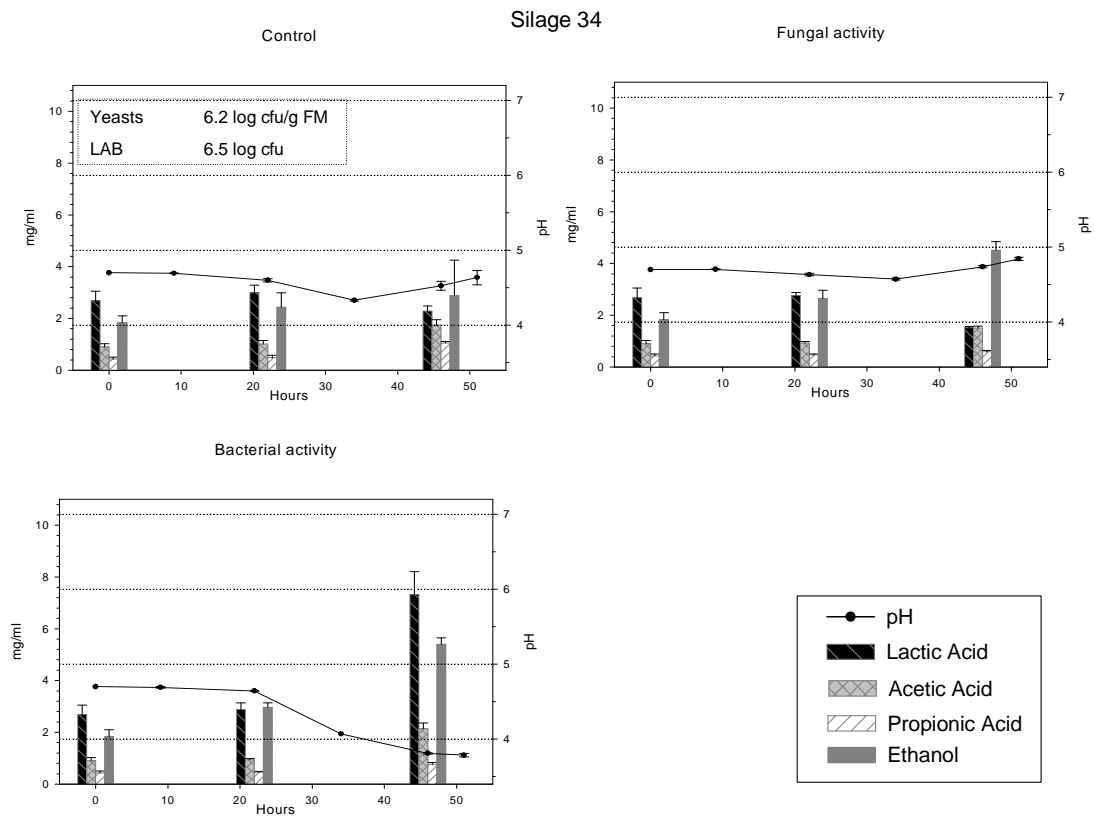
Figures H: Changes in pH and some chemical components [mg/ml] in medium from silage 32 over 50 h, Experiment C 1, error bars = s.d.

Figure 27 (top left): Control

Figure 28 (down left): Antimycotic treatment

Figure 29 (top right): Antibacterial treatment



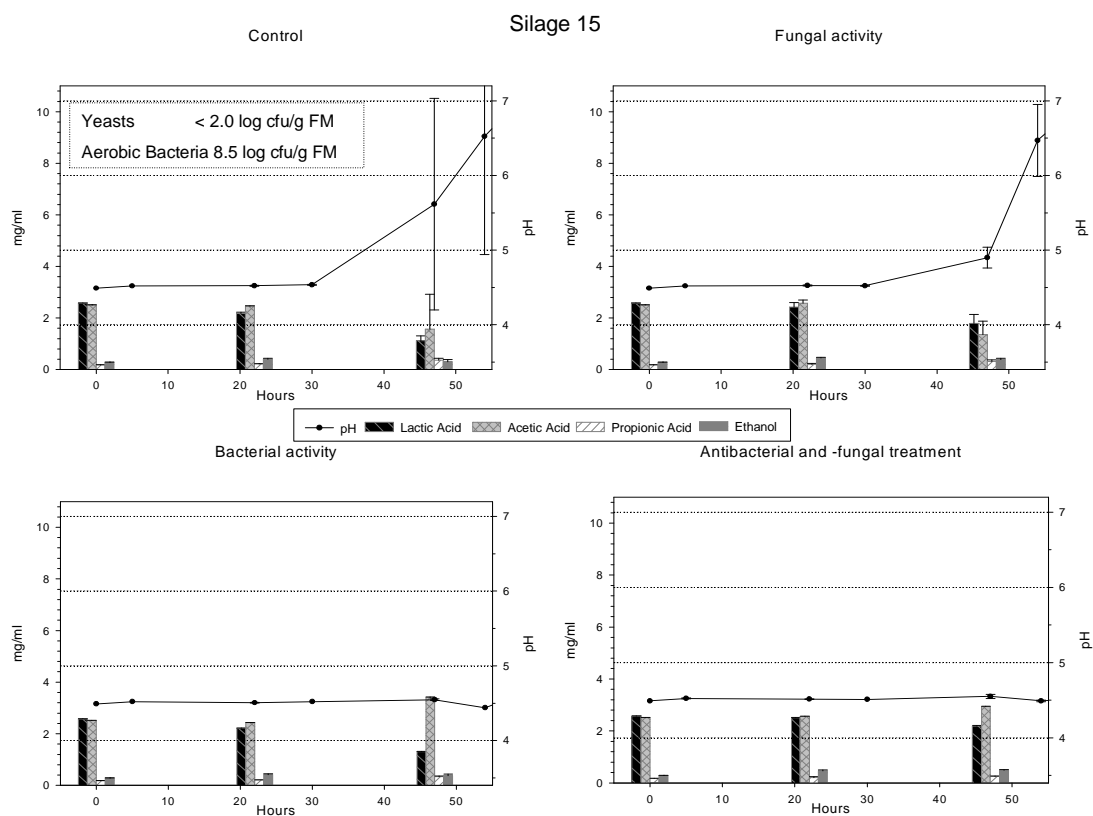


Figures I: Changes in pH and some chemical components [mg/ml] in medium from silage 34 over 51 h, Experiment C 1, error bars = s.d.

Figure 30 (top left): Control

Figure 31 (down left): Antimycotic treatment

Figure 32 (top right): Antibacterial treatment



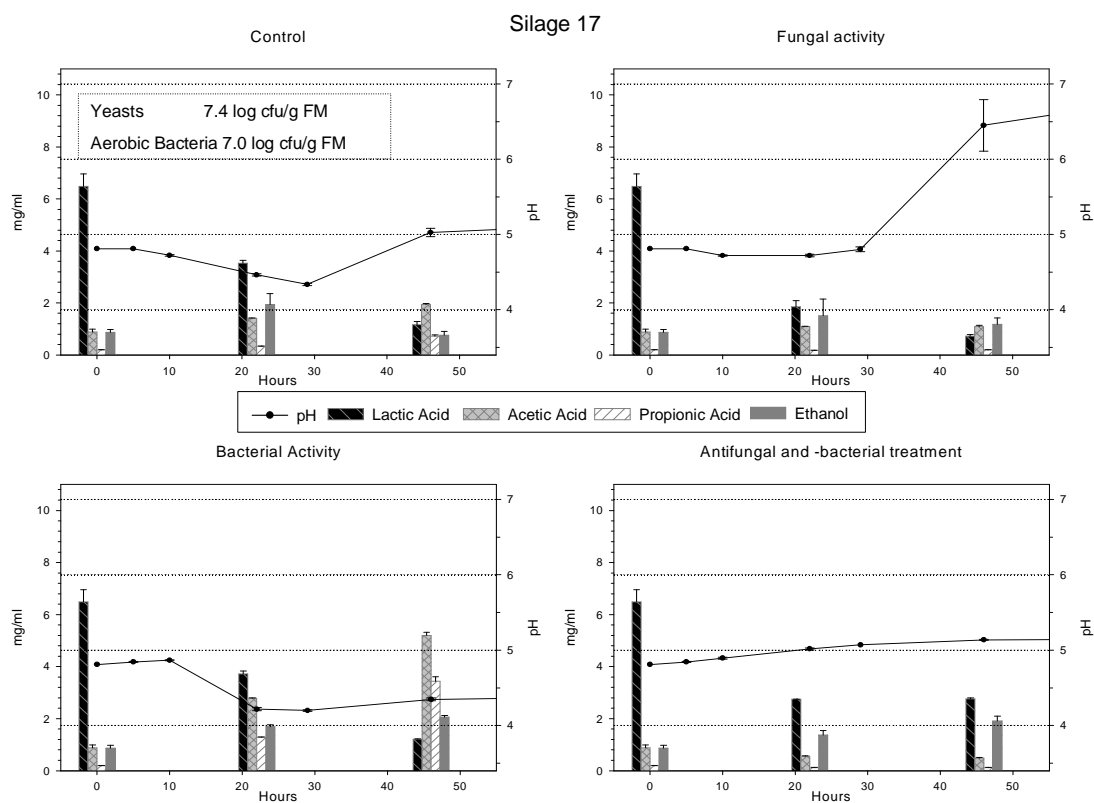
Figures J: Changes in pH and some chemical components [mg/ml] in medium from silage 15 over 54 h, Experiment C 1, error bars = s.d

Figure 33 (top left): Control

Figure 34 (down left): Antimycotic treatment

Figure 35 (top right): Antibacterial treatment

Figure 36 (down right): Antimycotic and -bacterial treatment



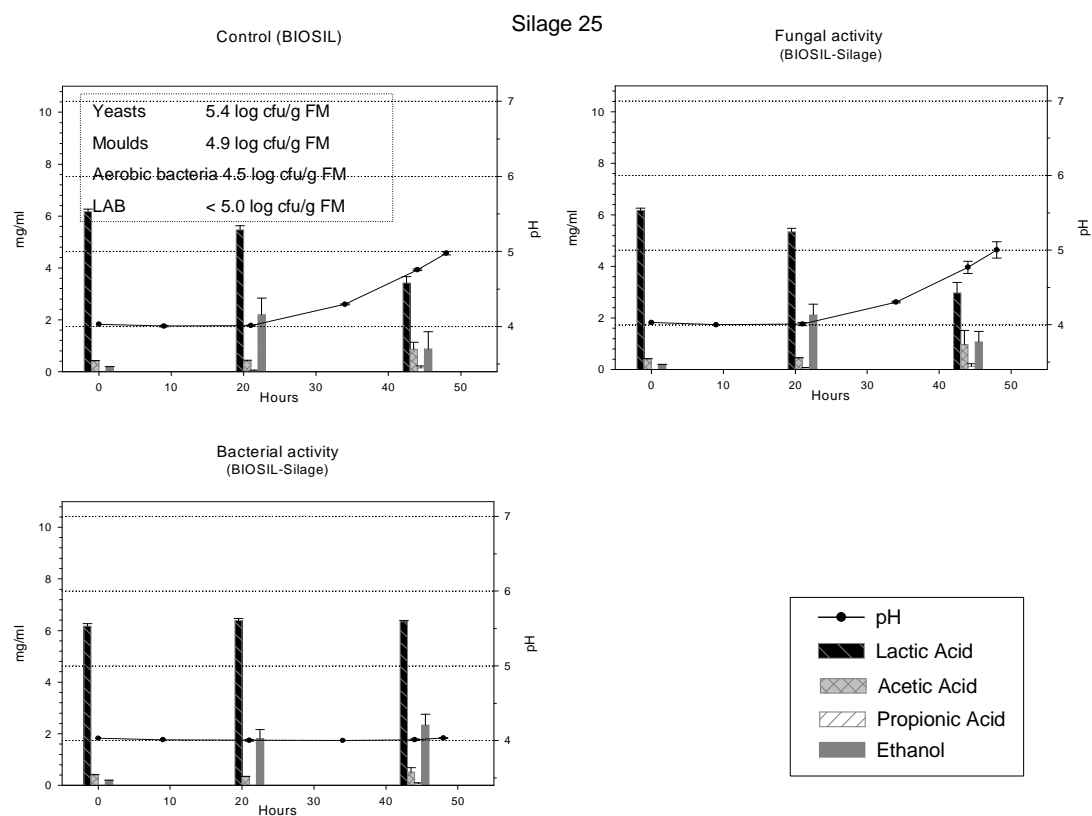
Figures K: Changes in pH and some chemical components [mg/ml] in medium from silage 17 over 46 h, Experiment C 1, error bars = s.d

Figure 37 (top left): Control

Figure 38 (down left): Antimycotic treatment

Figure 39 (top right): Antibacterial treatment

Figure 40 (down right): Antimycotic and -bacterial treatment

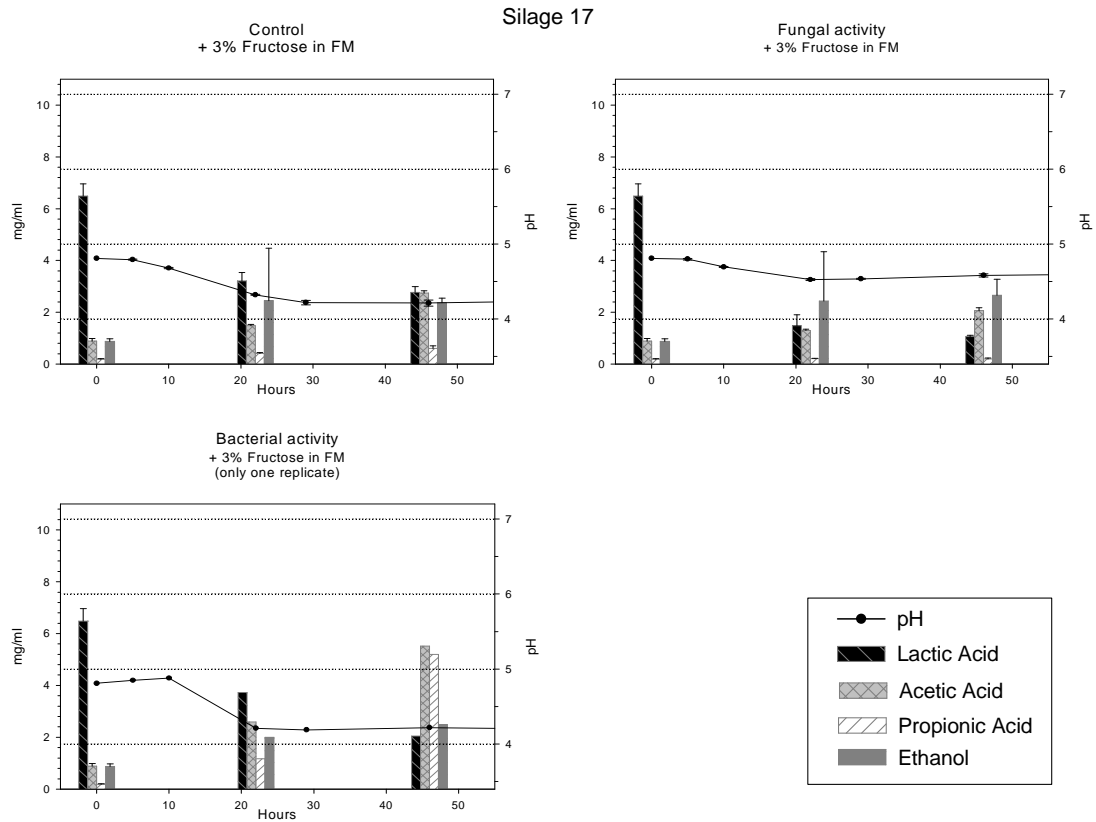


Figures L: Changes in pH and some chemical components [mg/ml] in medium from silage 25 over 48 h, Experiment C 1, error bars = s.d

Figure 41 (top left): Control

Figure 42 (down left): Antimycotic treatment

Figure 43 (top right): Antibacterial treatment

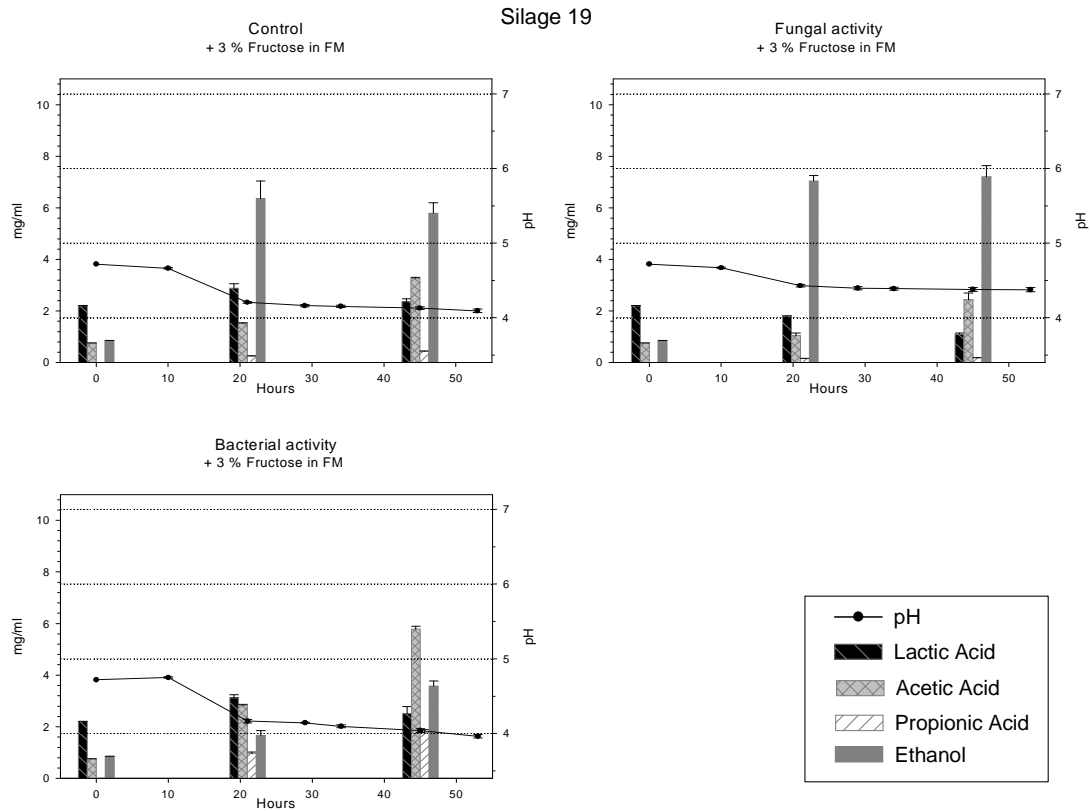


Figures M: Changes in pH and some chemical components [mg/ml] in medium from silage 17 with 3 % fructose addition over 46 h, Experiment C 2, error bars = s.d

Figure 44 (top left): Control

Figure 45 (down left): Antimycotic treatment

Figure 46 (top right): Antibacterial treatment

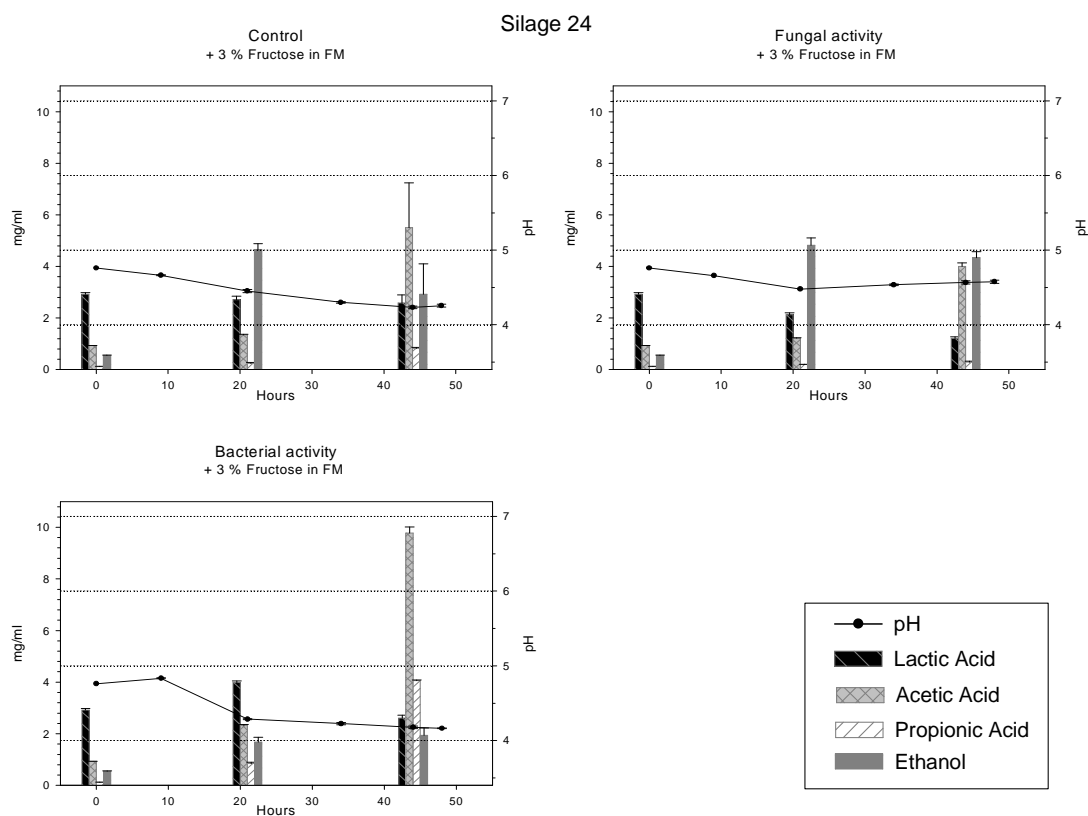


Figures N: Changes in pH and some chemical components [mg/ml] in medium from silage 19 with 3 % fructose addition over 53 h, Experiment C 2, error bars = s.d

Figure 47 (top left): Control

Figure 48 (down left): Antimycotic treatment

Figure 49 (top right): Antibacterial treatment

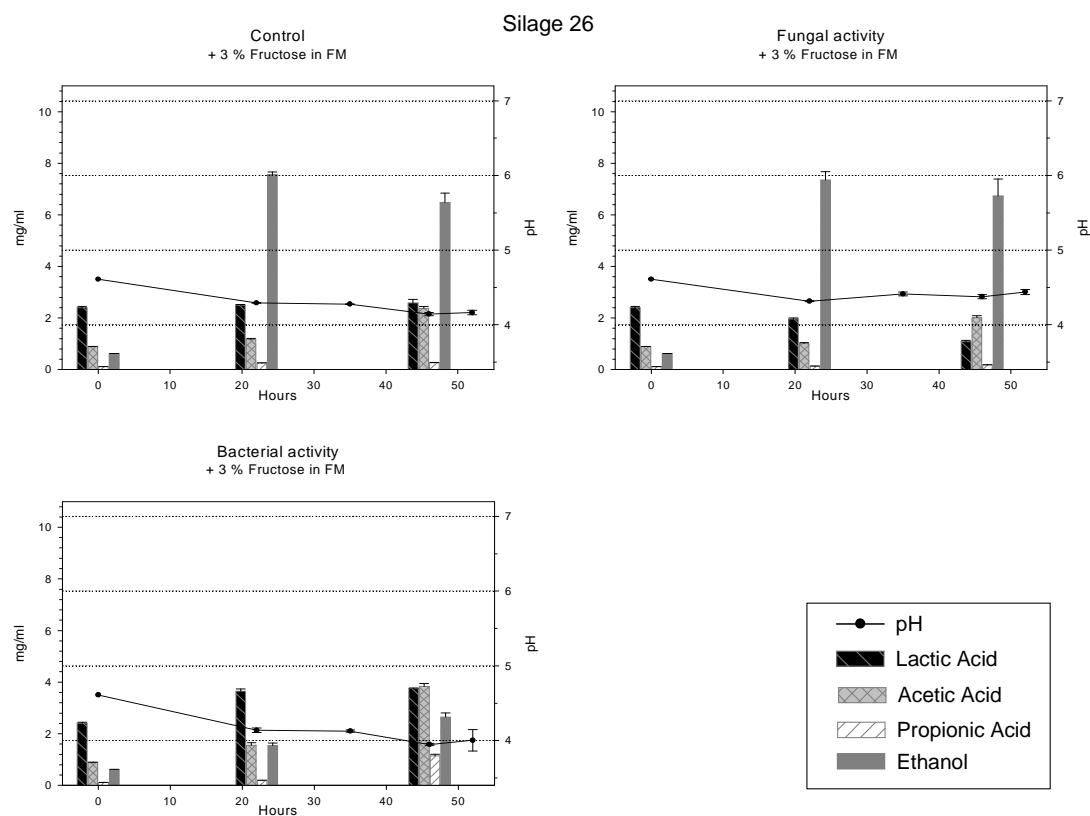


Figures O: Changes in pH and some chemical components [mg/ml] in medium from silage 24 with 3 % fructose addition over 48 h, Experiment C 2, error bars = s.d

Figure 50 (top left): Control

Figure 51 (down left): Antimycotic treatment

Figure 52 (top right): Antibacterial treatment



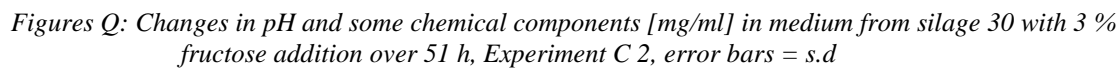
Figures P: Changes in pH and some chemical components [mg/ml] in medium from silage 26 with 3 % fructose addition over 52 h, Experiment C 2, error bars = s.d

Figure 53 (top left): Control

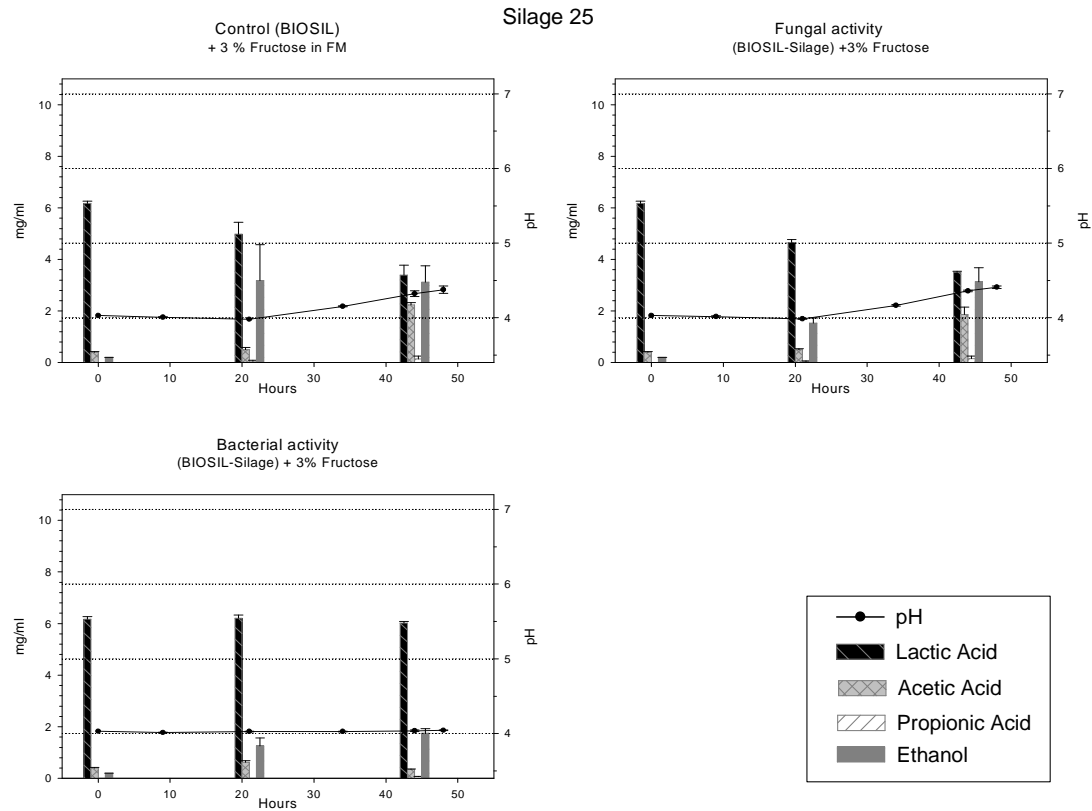
Figure 54 (down left): Antimycotic treatment

Figure 55 (top right): Antibacterial treatment





*Figure 58 (top right): Antibacterial treatment*

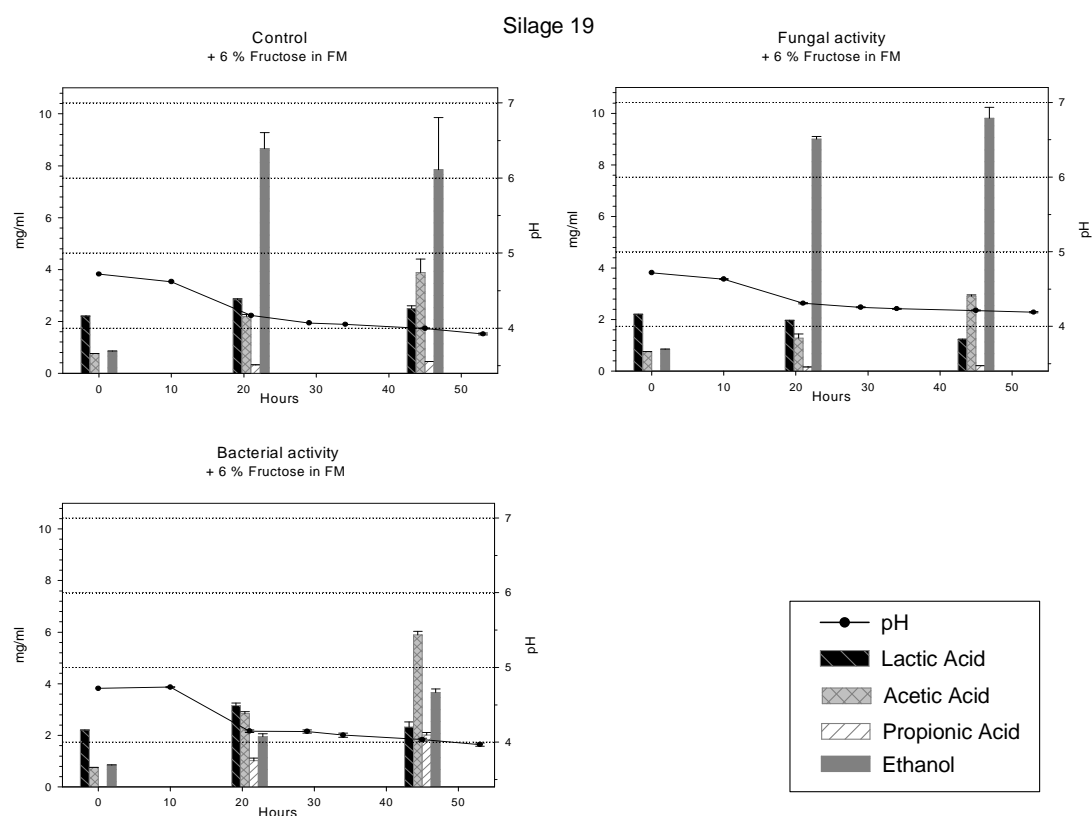


Figures R: Changes in pH and some chemical components [mg/ml] in medium from silage 25 with 3 % fructose addition over 48 h, Experiment C 2, error bars = s.d

Figure 59 (top left): Control

Figure 60 (down left): Antimycotic treatment

Figure 61 (top right): Antibacterial treatment

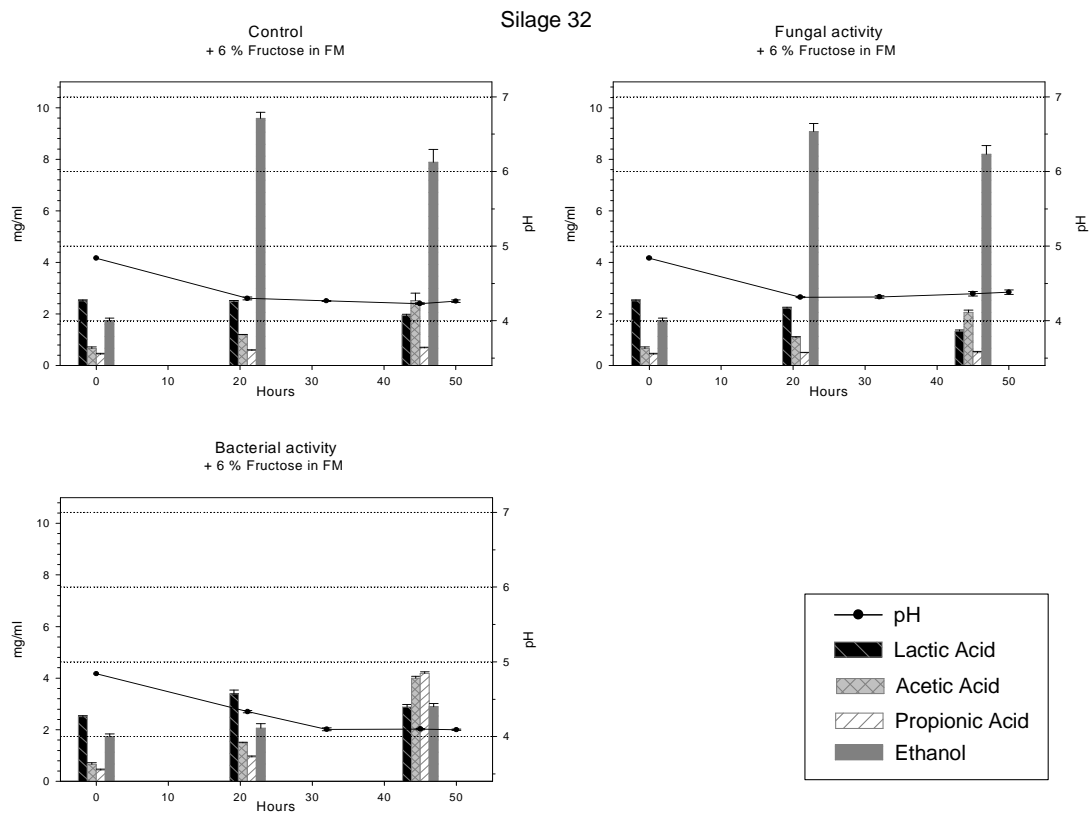


*Figures S: Changes in pH and some chemical components [mg/ml] in medium from silage 19 with 6 % fructose addition over 53 h, Experiment C 3, error bars = s.d*

*Figure 62 (top left): Control*

*Figure 63 (down left): Antimycotic treatment*

*Figure 64 (top right): Antibacterial treatment*

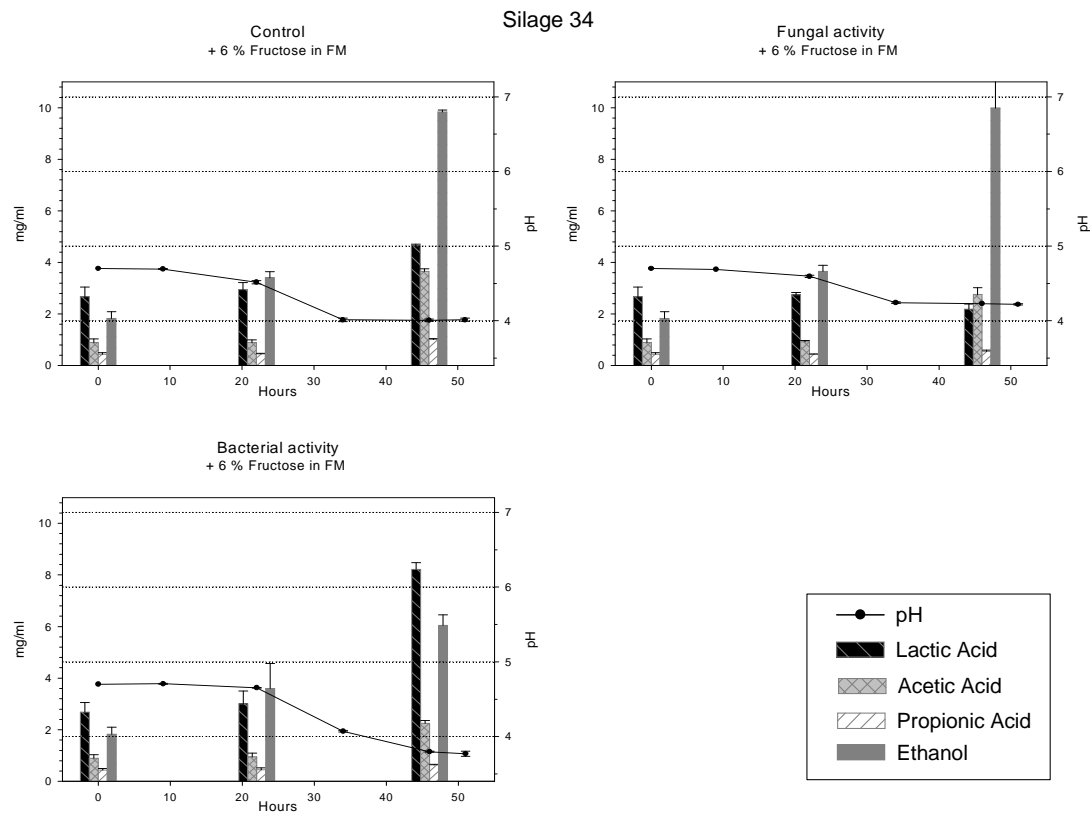


Figures T: Changes in pH and some chemical components [mg/ml] in medium from silage 32 with 6 % fructose addition over 50 h, Experiment C 3, error bars = s.d

Figure 65 (top left): Control

Figure 66 (down left): Antimycotic treatment

Figure 67 (top right): Antibacterial treatment

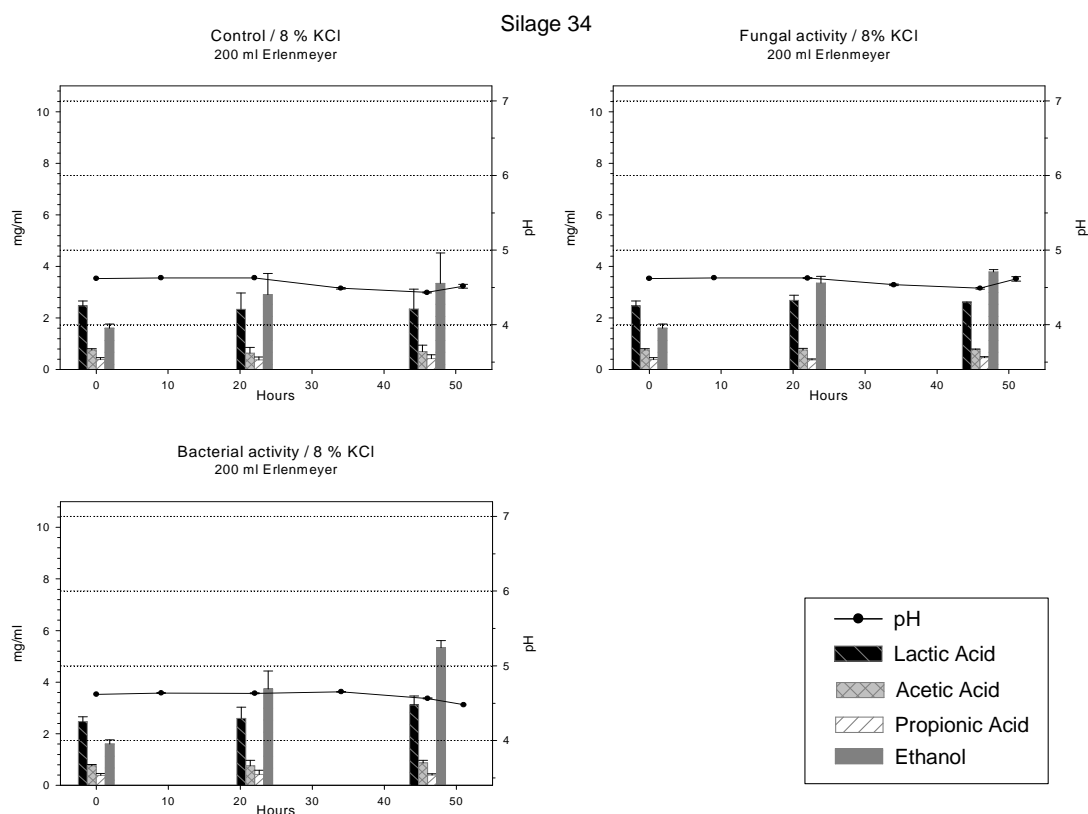


*Figures U: Changes in pH and some chemical components [mg/ml] in medium from silage 34 with 6 % fructose addition over 51 h, Experiment C 3, error bars = s.d*

*Figure 68 (top left): Control*

*Figure 69 (down left): Antimycotic treatment*

*Figure 70 (top right): Antibacterial treatment*

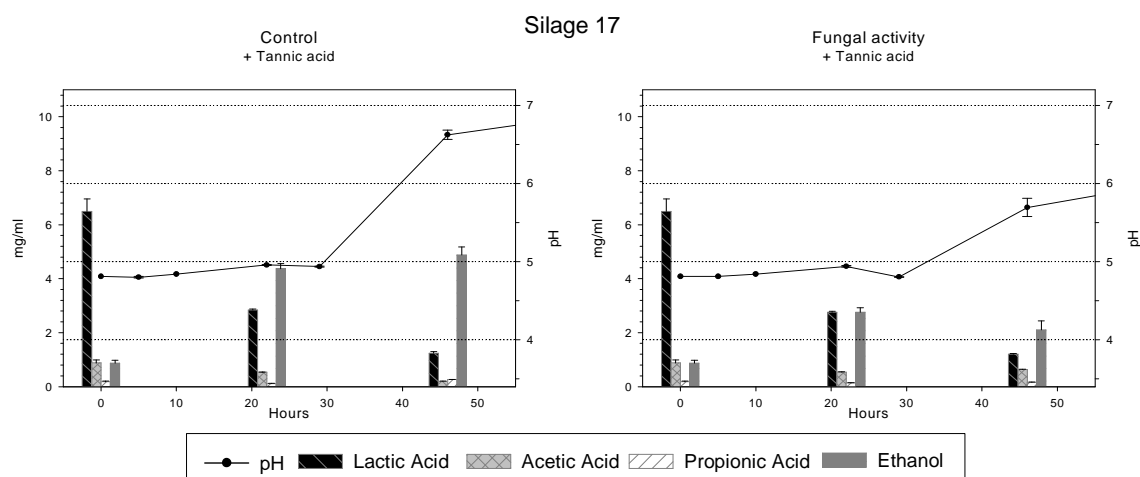


Figures V: Changes in pH and some chemical components [mg/ml] in medium from silage 34 with 8 % KCl in 200 ml Erlenmeyer flasks over 51 h, Experiment C 4, error bars = s.d

Figure 71 (top left): Control

Figure 72 (down left): Antimycotic treatment

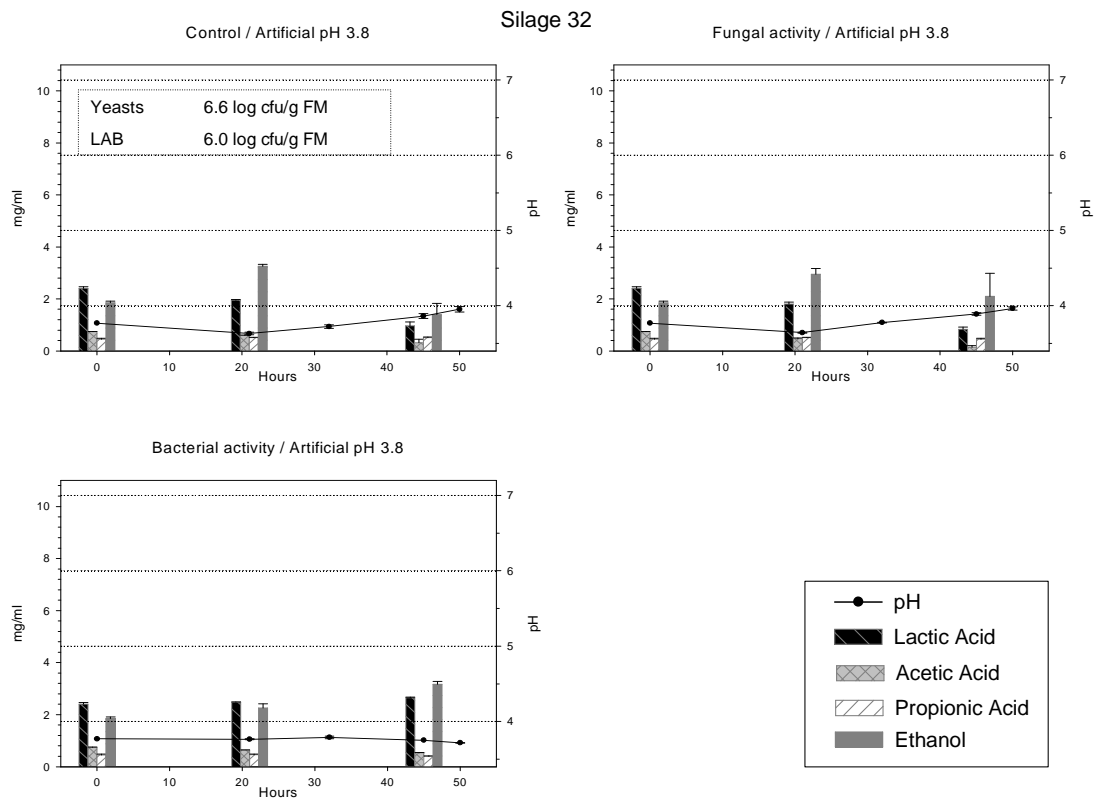
Figure 73 (top right): Antibacterial treatment



Figures W: Changes in pH and some chemical components [mg/ml] in medium from silage 17 with tannic acid over 46 h, Experiment C 5, error bars = s.d

Figure 74 ( left): Control

Figure 75 (right): Antibacterial treatment

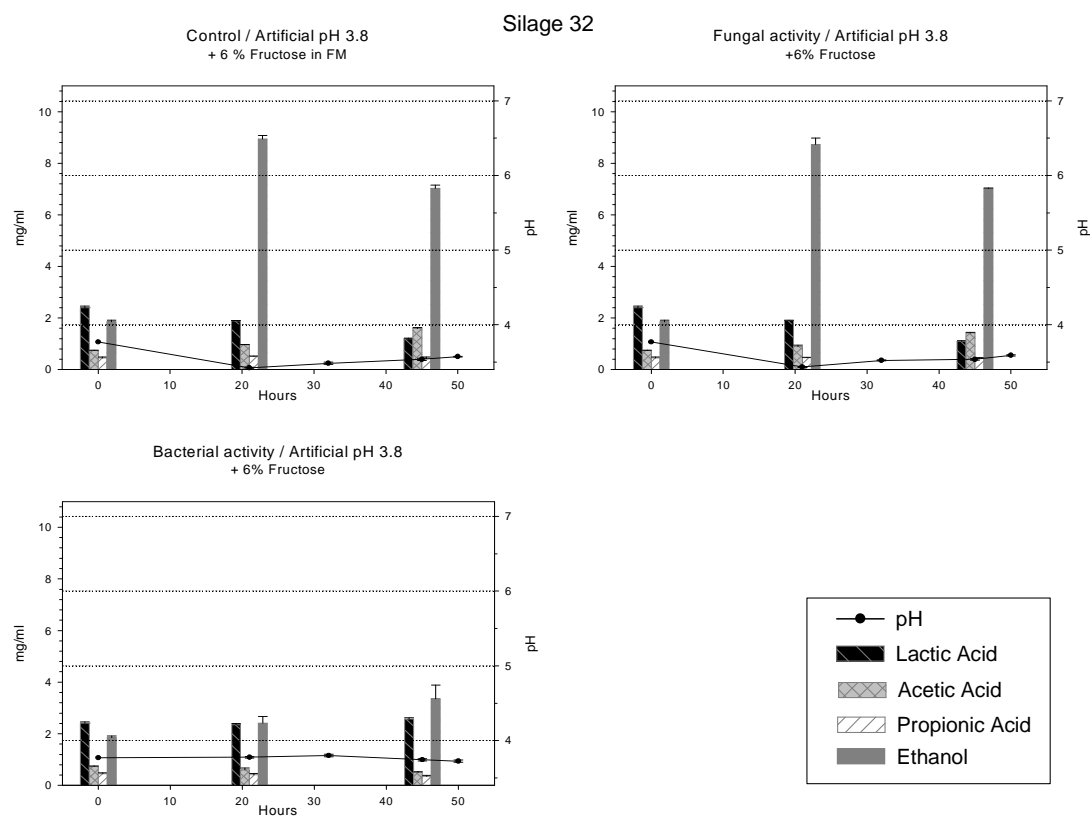


Figures X: Changes in pH and some chemical components [mg/ml] in medium from silage 32 with an initial pH of 3.8 over 50 h, Experiment C 6, error bars = s.d

Figure 76 (top left): Control

Figure 77 (down left): Antimycotic treatment

Figure 78 (top right): Antibacterial treatment



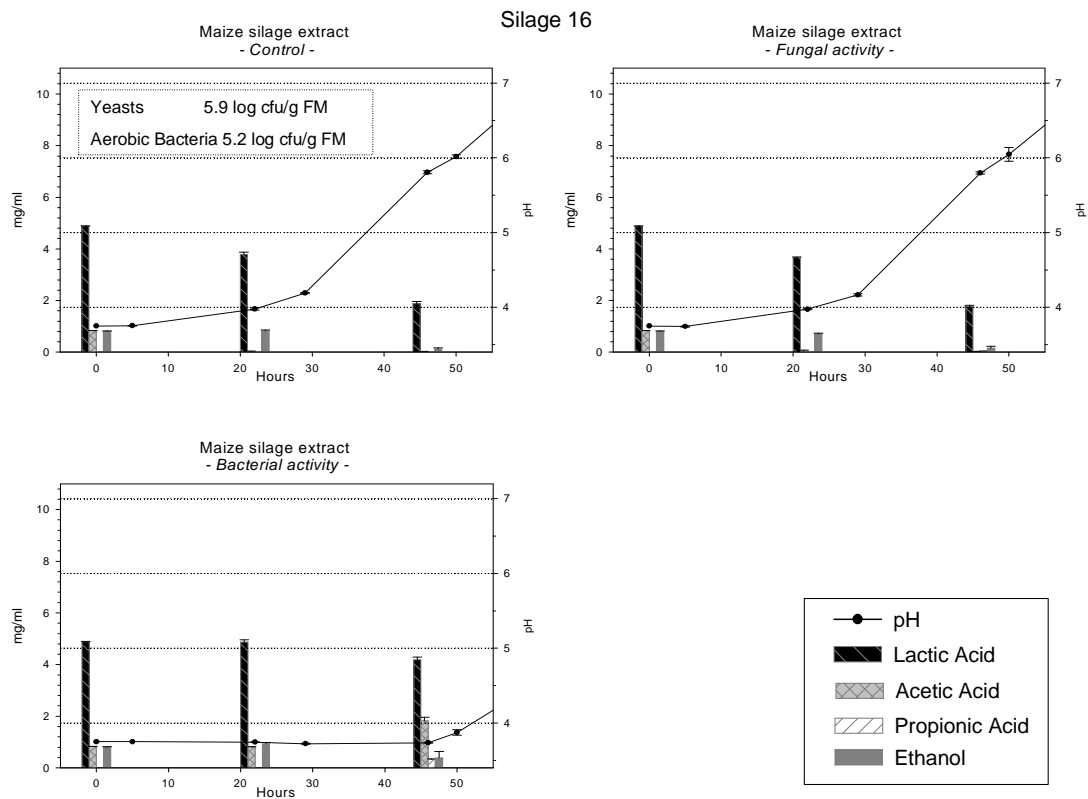
*Figures Y: Changes in pH and some chemical components [mg/ml] in medium from silage 32 with an initial pH of 3.8 + 6 % fructose over 50 h, Experiment C 6, error bars = s.d*

*Figure 79 (top left): Control*

*Figure 80 (down left): Antimycotic treatment*

*Figure 81 (top right): Antibacterial treatment*



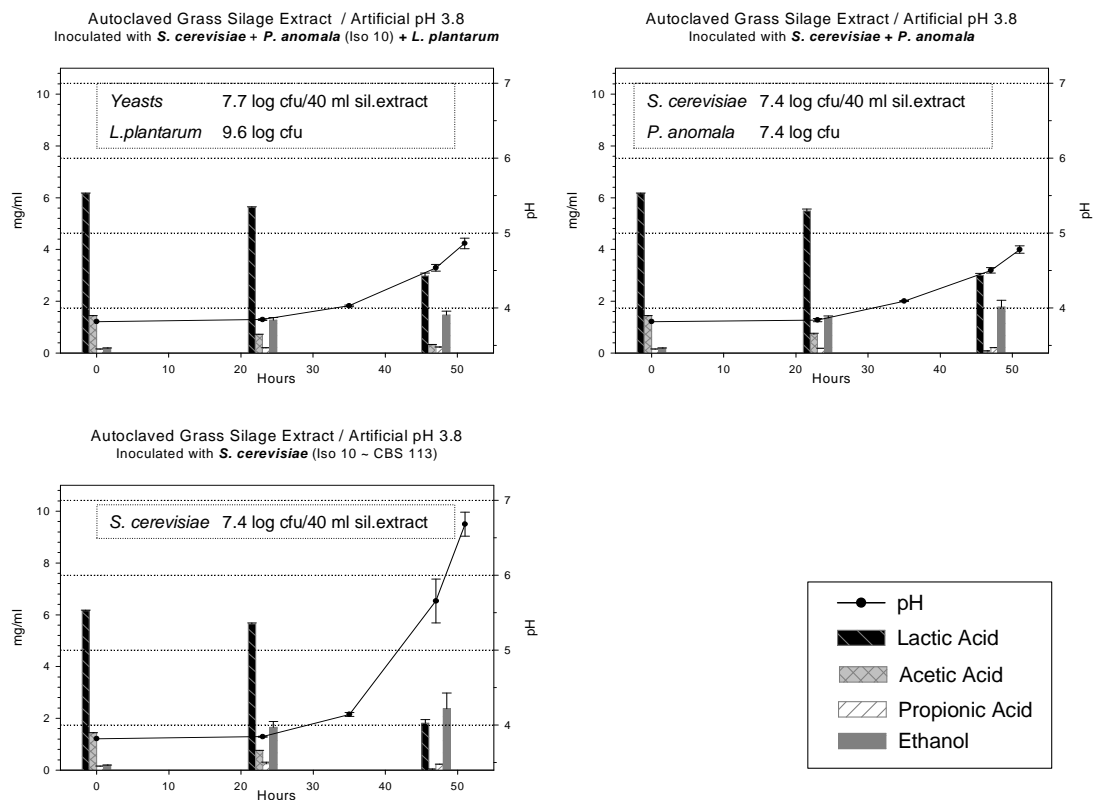


Figures Z: Changes in pH and some chemical components [mg/ml] in medium from maize silage 16 over 50 h, Experiment C 7, error bars = s.d

Figure 82 (top left): Control

Figure 83 (down left): Antimycotic treatment

Figure 84 (top right): Antibacterial treatment

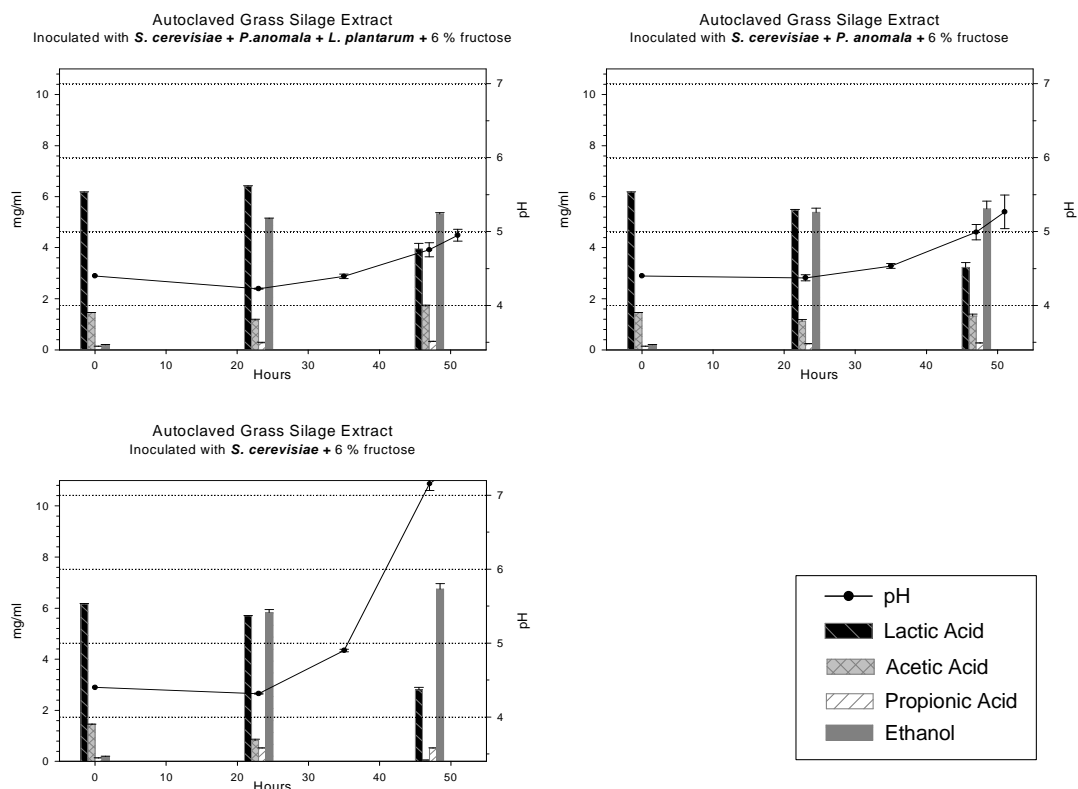


Figures AA: Changes in pH and some chemical components [mg/ml] in autoclaved grass silage extract with inoculants at an initial pH of 3.8 over 52 h, Experiment D 8

Figure 85 (top left): *Saccharomyces cerevisiae* + *Pichia anomala* + *Lactobacillus plantarum*

Figure 86 (down left): *Saccharomyces cerevisiae*

Figure 87 (top right): *Saccharomyces cerevisiae* + *Pichia anomala*



Figures BB: Changes in pH and some chemical components [mg/ml] in autoclaved grass silage extract with inoculants at natural pH with additional fructose over 52 h, Experiment D 9

Figure 88 (top left): *Saccharomyces cerevisiae* + *Pichia anomala* + *Lactobacillus plantarum*

Figure 89 (down left): *Saccharomyces cerevisiae*

Figure 90 (top right): *Saccharomyces cerevisiae* + *Pichia anomala*

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