

Effect of *Lactobacillus buchneri* LN4637 and *Lactobacillus*
stability, fermentation products, and microbial population
conditions

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The aerobic stability of silage: key findings and recent developments. <i>Grass and Forage Science</i> , 2013, 68, 1-19.	1.2	322
2	Current perspectives on antifungal lactic acid bacteria as natural bio-preservatives. <i>Trends in Food Science and Technology</i> , 2013, 33, 93-109.	7.8	243
3	Silagem de milho ou de cana-de-açúcar com <i>Lactobacillus buchneri</i> exclusivamente ou em associação com <i>L. plantarum</i> . <i>Pesquisa Agropecuária Brasileira</i> , 2013, 48, 528-535.	0.9	8
4	Naturally Occurring Lactic Acid Bacteria Isolated from Tomato Pomace Silage. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 648-657.	2.4	24
5	Isolating and evaluating lactic acid bacteria strains for effectiveness of <i>Leymus chinensis</i> silage fermentation. <i>Letters in Applied Microbiology</i> , 2014, 59, 391-397.	1.0	31
6	Aerobic stability of maize silage stored under plastic films with different oxygen permeability. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 2684-2690.	1.7	18
7	Improving corn silage quality in the top layer of farm bunker silos through the use of a next-generation barrier film with high impermeability to oxygen. <i>Journal of Dairy Science</i> , 2014, 97, 2415-2426.	1.4	33
8	Effects of an inoculant containing a <i>Lactobacillus buchneri</i> that produces ferulate-esterase on fermentation products, aerobic stability, and fibre digestibility of maize silage harvested at different stages of maturity. <i>Animal Feed Science and Technology</i> , 2014, 198, 94-106.	1.1	61
9	Effects of chop-length and a ferulic acid esterase-producing inoculant on fermentation and aerobic stability of barley silage, and growth performance of finishing feedlot steers. <i>Animal Feed Science and Technology</i> , 2014, 197, 34-46.	1.1	23
10	Review on Mycotoxin Issues in Ruminants: Occurrence in Forages, Effects of Mycotoxin Ingestion on Health Status and Animal Performance and Practical Strategies to Counteract Their Negative Effects. <i>Toxins</i> , 2015, 7, 3057-3111.	1.5	253
11	AFM1 in Milk: Physical, Biological, and Prophylactic Methods to Mitigate Contamination. <i>Toxins</i> , 2015, 7, 4330-4349.	1.5	97
12	An Integrated Approach to Harvest and Storage of Sweet Sorghum at Farm Scale. <i>Bioenergy Research</i> , 2015, 8, 450-458.	2.2	11
13	The effect of different additives on the fermentation quality, in vitro digestibility and aerobic stability of a total mixed ration silage. <i>Animal Feed Science and Technology</i> , 2015, 207, 41-50.	1.1	59
14	Improving the nutritive value, in vitro digestibility and aerobic stability of <i>Hedychium gardnerianum</i> silage through application of additives at ensiling time. <i>Animal Feed Science and Technology</i> , 2015, 206, 8-18.	1.1	52
15	Effect of two additives on the fermentation, in vitro digestibility and aerobic security of sorghum-sudangrass hybrid silages. <i>Grass and Forage Science</i> , 2015, 70, 185-194.	1.2	14
16	Occurrence of mycotoxins and yeasts and moulds identification in corn silages in tropical climate. <i>Journal of Applied Microbiology</i> , 2016, 120, 1181-1192.	1.4	25
17	Lactic acid bacteria strains for enhancing the fermentation quality and aerobic stability of <i>Leymus chinensis</i> silage. <i>Grass and Forage Science</i> , 2016, 71, 472-481.	1.2	45
18	Effect of different levels of corn steep liquor addition on fermentation characteristics and aerobic stability of fresh rice straw silage. <i>Animal Nutrition</i> , 2016, 2, 345-350.	2.1	21

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19	Effects of air exposure, temperature and additives on fermentation characteristics, yeast count, aerobic stability and volatile organic compounds in corn silage. <i>Journal of Dairy Science</i> , 2016, 99, 8053-8069.	1.4	81
20	Effect of lactic acid bacteria and propionic acid on conservation characteristics, aerobic stability and in vitro gas production kinetics and digestibility of whole-crop corn based total mixed ration silage. <i>Journal of Integrative Agriculture</i> , 2017, 16, 1592-1600.	1.7	27
21	Plastics in Animal Production. , 2017, , 145-185.		3
22	Characteristics of isolated lactic acid bacteria and their effects on the silage quality. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 819-827.	2.4	20
23	Silage review: Factors affecting dry matter and quality losses in silages. <i>Journal of Dairy Science</i> , 2018, 101, 3952-3979.	1.4	419
24	Fermentation and aerobic stability of rehydrated corn grain silage treated with different doses of <i>Lactobacillus buchneri</i> or a combination of <i>Lactobacillus plantarum</i> and <i>Pediococcus acidilactici</i> . <i>Journal of Dairy Science</i> , 2018, 101, 4158-4167.	1.4	49
25	Effects of locations and growth stages on nutritive value and silage fermentation quality of <i>Leymus chinensis</i> in Eurasian steppe of northern China. <i>Grassland Science</i> , 2018, 64, 40-50.	0.6	18
26	Silage review: Recent advances and future uses of silage additives. <i>Journal of Dairy Science</i> , 2018, 101, 3980-4000.	1.4	517
27	Changes in carbohydrate and protein fractions during ensiling of alfalfa treated with previously fermented alfalfa juice or lactic acid bacteria inoculants. <i>Animal Production Science</i> , 2018, 58, 577.	0.6	5
28	Fermentation quality, in vitro digestibility and aerobic stability of total mixed ration silages prepared with whole-plant corn (<i>Zea mays</i> L.) and hulless barley (<i>Hordeum vulgare</i> L.) straw. <i>Animal Production Science</i> , 2018, 58, 1860.	0.6	8
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30	Characterization of culturable yeast species associating with whole crop corn and total mixed ration silage. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 198-207.	2.4	27
31	Antifungal effect of organic acids from lactic acid bacteria on <i>Penicillium nordicum</i> . <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1803-1818.	1.1	76
32	A meta-analysis on the effectiveness of homofermentative and heterofermentative lactic acid bacteria for corn silage. <i>Journal of Applied Microbiology</i> , 2018, 125, 1655-1669.	1.4	54
33	A meta-analysis examining lactic acid bacteria inoculants for maize silage: Effects on fermentation, aerobic stability, nutritive value and livestock production. <i>Grass and Forage Science</i> , 2019, 74, 596-612.	1.2	28
34	An automatic smart measurement system with signal decomposition to partition dual-source CO ₂ flux from maize silage. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127053.	4.0	3
35	Influence of storage length and inoculation with <i>Lactobacillus buchneri</i> on the fermentation, aerobic stability, and ruminal degradability of high-moisture corn and rehydrated corn grain silage. <i>Animal Feed Science and Technology</i> , 2019, 251, 124-133.	1.1	35
36	Crop Sorghum Ensiled With Unsalable Vegetables Increases Silage Microbial Diversity. <i>Frontiers in Microbiology</i> , 2019, 10, 2599.	1.5	12

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37	Effects of conservation period and <i>Lactobacillus hilgardii</i> inoculum on the fermentation profile and aerobic stability of whole corn and sorghum silages. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2530-2540.	1.7	42
38	Silage Fermentation, Bacterial Community, and Aerobic Stability of Total Mixed Ration Containing Wet Corn Gluten Feed and Corn Stover Prepared with Different Additives. <i>Animals</i> , 2020, 10, 1775.	1.0	8
39	Testing selectivity of bacterial and fungal culture media compared to original silage samples using next generation sequencing. <i>Journal of Microbiological Methods</i> , 2020, 179, 106088.	0.7	5
40	Effects of inoculation of corn silage with <i>Lactobacillus hilgardii</i> and <i>Lactobacillus buchneri</i> on silage quality, aerobic stability, nutrient digestibility, and growth performance of growing beef cattle. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	21
42	Using molecular microbial ecology to define differential responses to the inoculation of barley silage. <i>Canadian Journal of Animal Science</i> , 2020, 100, 703-715.	0.7	3
43	Prevalence and abundance of lactic acid bacteria in raw milk associated with forage types in dairy cow feeding. <i>Journal of Dairy Science</i> , 2020, 103, 5931-5946.	1.4	20
44	Effect of Whey Permeate and <i>Lactobacillus buchneri</i> on Biomass Conservation, Chemical Characteristics and Aerobic Stability of Elephant Grass Silage. <i>Waste and Biomass Valorization</i> , 2021, 12, 879-893.	1.8	5
45	Effect of 11CFT and 11C33 inoculants on the chemical and fermentation composition, and aerobic stability of corn silage during the feed out period. <i>Semina: Ciencias Agrarias</i> , 0, , 395-410.	0.1	0
46	<i>Lactobacillus buchneri</i> ™nin silajdaki eÅsiz etkinliÅyi. <i>Etilik Veteriner Mikrobiyoloji Dergisi</i> , 0, , .	0.2	0
47	Dual sensor measurement shows that temperature outperforms pH as an early sign of aerobic deterioration in maize silage. <i>Scientific Reports</i> , 2021, 11, 8686.	1.6	8
48	The effects of air stress during storage and low packing density on the fermentation and aerobic stability of corn silage inoculated with <i>Lactobacillus buchneri</i> 40788. <i>Journal of Dairy Science</i> , 2021, 104, 4206-4222.	1.4	15
49	Isolation, identification and utilization of lactic acid bacteria from silage in a warm and humid climate area. <i>Scientific Reports</i> , 2021, 11, 12586.	1.6	11
50	Screening of High 1,2-Propanediol Production by <i>Lactobacillus buchneri</i> Strains and Their Effects on Fermentation Characteristics and Aerobic Stability of Whole-Plant Corn Silage. <i>Agriculture (Switzerland)</i> , 2021, 11, 590.	1.4	5
51	Effects of different lactic acid bacteria groups and fibrolytic enzymes as additives on silage quality: A meta-analysis. <i>Bioresource Technology Reports</i> , 2021, 14, 100654.	1.5	21
52	Changes in physico-chemical characteristics and viable bacterial communities during fermentation of alfalfa silages inoculated with <i>Lactobacillus plantarum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 127.	1.7	11
53	Meta-analysis of effects of inoculation with <i>Lactobacillus buchneri</i> , with or without other bacteria, on silage fermentation, aerobic stability, and performance of dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 7653-7670.	1.4	31
54	A Multi-Sensor Mini-Bioreactor to Preselect Silage Inoculants by Tracking Metabolic Activity in situ During Fermentation. <i>Frontiers in Microbiology</i> , 2021, 12, 673795.	1.5	1
55	Variations in fermentation, bacterial population and aerobic stability in maize silage. <i>Zemdirbyste</i> , 2018, 105, 377-382.	0.3	3

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57	Effects on microbial diversity of fermentation temperature (10Â°C and 20Â°C), long-term storage at 5Â°C, and subsequent warming of corn silage. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1528-1539.	2.4	5
58	Intercropped maizeâ€soybean silage: Effects on forage yield, fermentation pattern and nutritional composition. <i>Grassland Science</i> , 2022, 68, 3-12.	0.6	8
59	Effects of Bacterial Inoculants and Organic Acids on Silage Quality : Meta-analysis. <i>Journal of the Korean Society of Grassland and Forage Science</i> , 2014, 34, 94-102.	0.1	2
60	Effect of Homofermentative and Heterofermentative Lactic Acid Bacteria on the Quality and Aerobic Stability of Silage : Meta-Analysis. <i>Journal of the Korean Society of Grassland and Forage Science</i> , 2014, 34, 247-253.	0.1	3
61	Effect of the inoculant on the fermentation, microbial population and aerobic stability of whole plant maize ensiled in large tubes. <i>Zemdirbyste</i> , 2016, 103, 305-310.	0.3	1
62	16S rRNA Gen SekansÄ± KullanÄ±larak Laktik Asit Bakterilerinin Fil Ä±imeninde (Pennisetum Purpureum) Karakterizasyonu, TanÄ±mlanmasÄ± ve Fermantasyon Kalitesine Etkileri. <i>Kafkas Universitesi Veteriner Fakultesi Dergisi</i> , 2017, , .	0.0	0
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66	Fermentation profile, microbial populations and aerobic stability of sorghum silages enriched with urea and <i>Lactobacillus buchneri</i> . <i>New Zealand Journal of Agricultural Research</i> , 2023, 66, 128-144.	0.9	2
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69	Microbial Population Succession and Community Diversity and Its Correlation with Fermentation Quality in Soybean Meal Treated with <i>Enterococcus faecalis</i> during Fermentation and Aerobic Exposure. <i>Microorganisms</i> , 2022, 10, 530.	1.6	7
70	Ensiling Grape Pomace With and Without Addition of a <i>Lactiplantibacillus plantarum</i> Strain: Effect on Polyphenols and Microbiological Characteristics, in vitro Nutrient Apparent Digestibility, and Gas Emission. <i>Frontiers in Veterinary Science</i> , 2022, 9, 808293.	0.9	14
71	Inoculation of whole-plant maize with viable lactic acid bacteria: effects on silage fermentation, aerobic stability and performance of dairy cows. <i>Zemdirbyste</i> , 2022, 109, 81-88.	0.3	1
76	Efficiency of new strains of lactic acid bacteria and <i>B. licheniformis</i> in corn preservation. <i>The Agrarian Scientific Journal</i> , 2022, , 53-56.	0.0	1
77	Effect of Inoculation with <i>Lentilactobacillus buchneri</i> and <i>Lacticaseibacillus paracasei</i> on the Maize Silage Volatilome: The Advantages of Advanced 2D-Chromatographic Fingerprinting Approaches. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 12232-12248.	2.4	1

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78	Exogenous Fibrolytic Enzymes and Length of Storage Affect the Nutritive Value and Fermentation Profile of Maize Silage. <i>Agriculture (Switzerland)</i> , 2022, 12, 1358.	1.4	1
79	Effect of adding different doses of <i>Lactobacillus buchneri</i> on silage of high moisture corn grain. , 0, , 1-9.		0
80	MÄ±sÄ±r SilajÄ±nÄ±n Fermantasyon, Aerobik StabilitÄ± zellikleri Ä±zerine AktiflÄ±tirilen <i>Lactobacillus buchneri</i> ve Ä±ere Ä±lavesinin Etkileri. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2023, 11, 431-438.	0.1	0
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