



Supplement of

A systematic review and meta-analysis of the effects of inclusion of microalgae in dairy cows' diets on nutrient digestibility, fermentation parameters, blood metabolites, milk production, and fatty acid profiles

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16 **Supplementary Table S1.** Summary of the studies included in the meta-analysis.

Reference	Country	Number of animals	Animal breed	Days in milk (days)	Experimental Duration (days)	Microalgae specie	Inclusion level (g/kg DM)
Boeckaert et al., 2008	Belgium	4	Holstein	<90	<100	<i>Schizochytrium sp.</i>	>100
Da Silva et al., 2016	Brazil	20	Holstein	<90	<100	<i>Prototheca moriformis</i>	61-100
Huntington et al., 2020	UK	20	Holstein	<90	<100	<i>Schizochytrium limacinum</i>	<15
Fougère et al., 2018	France	12	Holstein	<90	<100	<i>Schizochytrium sp.</i>	61-100
Franklin et al., 1999	USA	30	NR	>90	100-200	<i>Schizochytrium sp.</i>	31-60
Liu et al., 2020	China	36	Chinese-Holstein	NR	NR	<i>Schizochytrium sp.</i>	<15
Manzocchi et al., 2020	Switzerland	12	NR	>90	>200	<i>Arthrospira platensis</i>	31-60
Marques et al., 2019	Brazil	24	Holstein	>90	100-200	NR	<15
Moran et al., 2017	Italy	36	Friesian	>90	100-200	<i>Aurantiochytrium limacinum</i>	<15
Moran et al., 2018	Italy	24	Friesian	>90	100-200	<i>Aurantiochytrium limacinum</i>	<15
Lamminen et al., 2017	Finland	6 and 8	Finnish Ayrshire	>90	100-200 and >200	<i>Spirulina platensis</i> alone, and added to <i>Chlorella vulgaris</i>	31-60
Lamminen et al., 2019	Finland	8	Finnish Ayrshire	>90	100-200	<i>Spirulina platensis</i>	31-60
Lamminen et al., 2019	Finland	4	Finnish Ayrshire	>90	100-200	<i>Spirulina platensis</i> , <i>Chlorella vulgaris</i> and their mix	61-100 and >100
Póti et al., 2015	Hungary	16	Holstein-Friesian	>90	100-200	<i>Chlorella kessleri</i> + <i>Spirulina platensis</i>	<15

Till et al., 2019	UK	60	Holstein-Friesian	<90	<100	<i>Schizochytrium limacinum</i>	<15
Till et al., 2020	France	32	Holstein	>90	100-200	NR	15-30
Vanbergue et al., 2018	France	30	Holstein	>90	<100	NR	15-30

NR not reported.

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