

Summary of Mycotoxin and Mold Evaluations at CVAS

Fall 2009

Toxin Results at CVAS

- Results are summarized from October 1st through December 7th, 2009
- Samples are primarily from Northeast, Mid-Atlantic, and Upper Mid-West states

Corn Silage – Aflatoxin

Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% <5ppb	% 5 to 50 ppb	% >50ppb
AB1	0.8%	0.0%	100.0%	0.0%
AB2	0.4%	0.0%	100.0%	0.0%
AG1	0.4%	0.0%	100.0%	0.0%
AG2	0.4%	0.0%	100.0%	0.0%

N=242

Corn Grain – Aflatoxin

Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% <5ppb	% 5 to 50 ppb	% >50ppb
AB1	3.2%	0.0%	77.8%	22.2%
AB2	1.4%	75.0%	25.0%	0.0%
AG1	0.0%	0.0%	0.0%	0.0%
AG2	0.0%	0.0%	0.0%	0.0%

N=285

Corn Silage

Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% 0.5 to 1 ppm	% 1 to 5 ppm	% 5 to 25 ppm	% >25 ppm
DON	68.9%	22.9%	64.5%	12.0%	0.6%
15 Acetyl DON	9.5%	34.8%	65.2%	0.0%	0.0%
3 Acetyl DON	0.0%	0.0%	0.0%	0.0%	0.0%
Zearalenone	1.7%	25.0%	75.0%	0.0%	0.0%
T2	0.0%	0.0%	0.0%	0.0%	0.0%

N=241

Corn Grain

Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% 0.5 to 1 ppm	% 1 to 5 ppm	% 5 to 25 ppm	% >25 ppm
DON	60.4%	23.3%	42.4%	27.9%	2.3%
15 Acetyl DON	23.5%	38.8%	53.7%	7.5%	0.0%
3 Acetyl DON	1.4%	75.0%	25.0%	0.0%	0.0%
Zearalenone	6.7%	36.8%	47.4%	5.3%	0.0%
T2	0.0%	0.0%	0.0%	0.0%	0.0%

N=285

Corn Distillers

Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% 0.5 to 1 ppm	% 1 to 5 ppm	% 5 to 25 ppm	% >25 ppm
DON	95.1%	11.1%	71.1%	16.3%	0.0%
15 Acetyl DON	26.1%	32.4%	67.6%	0.0%	0.0%
3 Acetyl DON	0.0%	0.0%	0.0%	0.0%	0.0%
Zearalenone	9.2%	84.6%	7.7%	0.0%	0.0%
T2	0.0%	0.0%	0.0%	0.0%	0.0%

N=142

Wheat Midds

Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% 0.5 to 1 ppm	% 1 to 5 ppm	% 5 to 25 ppm	% >25 ppm
DON	100.0%	0%	100.0%	0%	0%
15 Acetyl DON	33.3%	100.0%	0%	0%	0%
3 Acetyl DON	0%	0%	0%	0%	0%
Zearalenone	0%	0%	0%	0%	0%
T2	0%	0%	0%	0%	0%

N=15

TMR

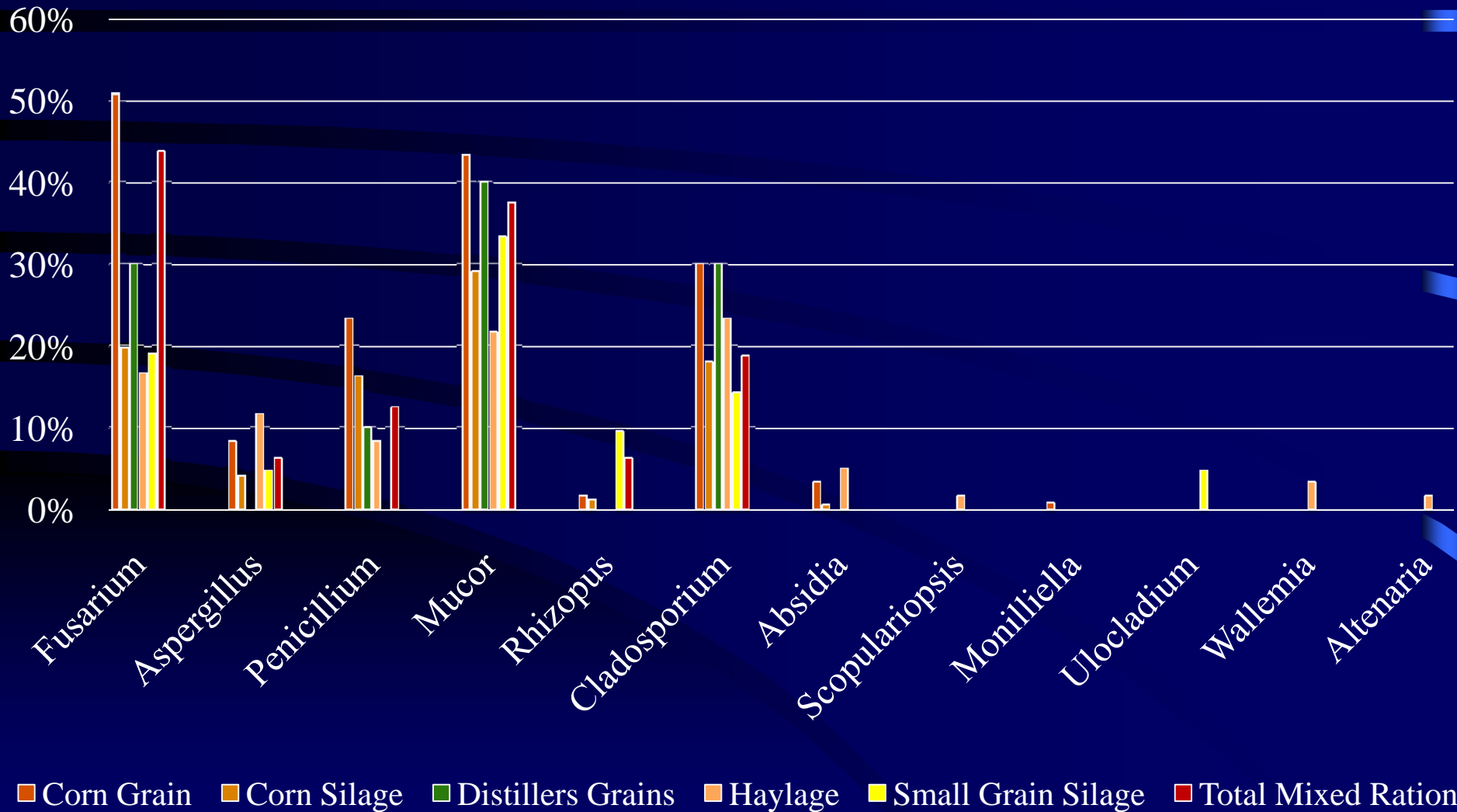
Mycotoxin Incidence, CVAS, Fall 2009

	% Positive	% 0.5 to 1 ppm	% 1 to 5 ppm	% 5 to 25 ppm	% >25 ppm
DON	66.7%	14.0%	38.0%	8.0%	0.0%
15 Acetyl DON	4.0%	66.7%	33.3%	0.0%	0.0%
3 Acetyl DON	0.0%	0.0%	0.0%	0.0%	0.0%
Zearalenone	0.0%	0.0%	0.0%	0.0%	0.0%
T2	0.0%	0.0%	0.0%	0.0%	0.0%

N=75

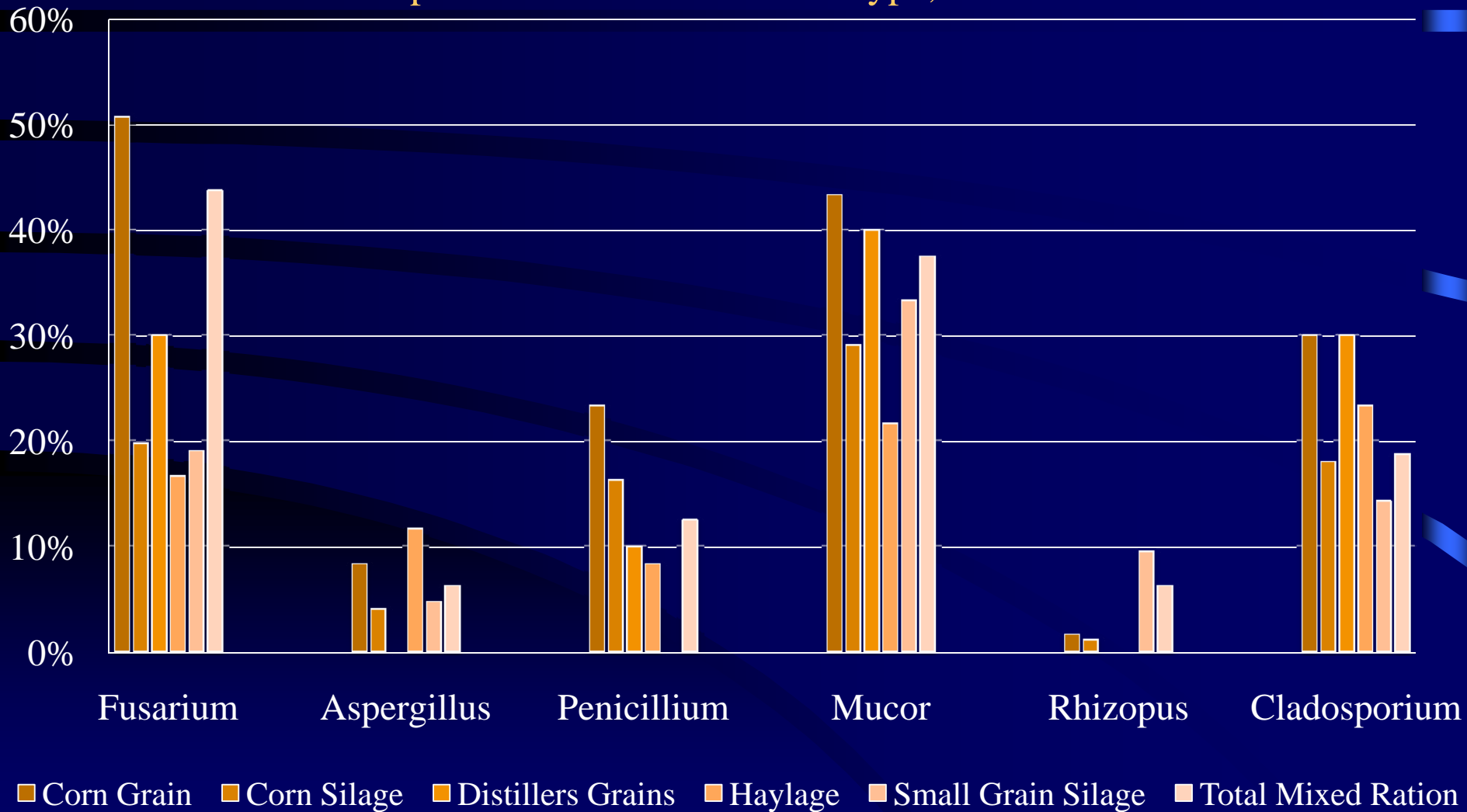
All Feeds

% of Samples with Identified Mold Type, CVAS Fall 2009



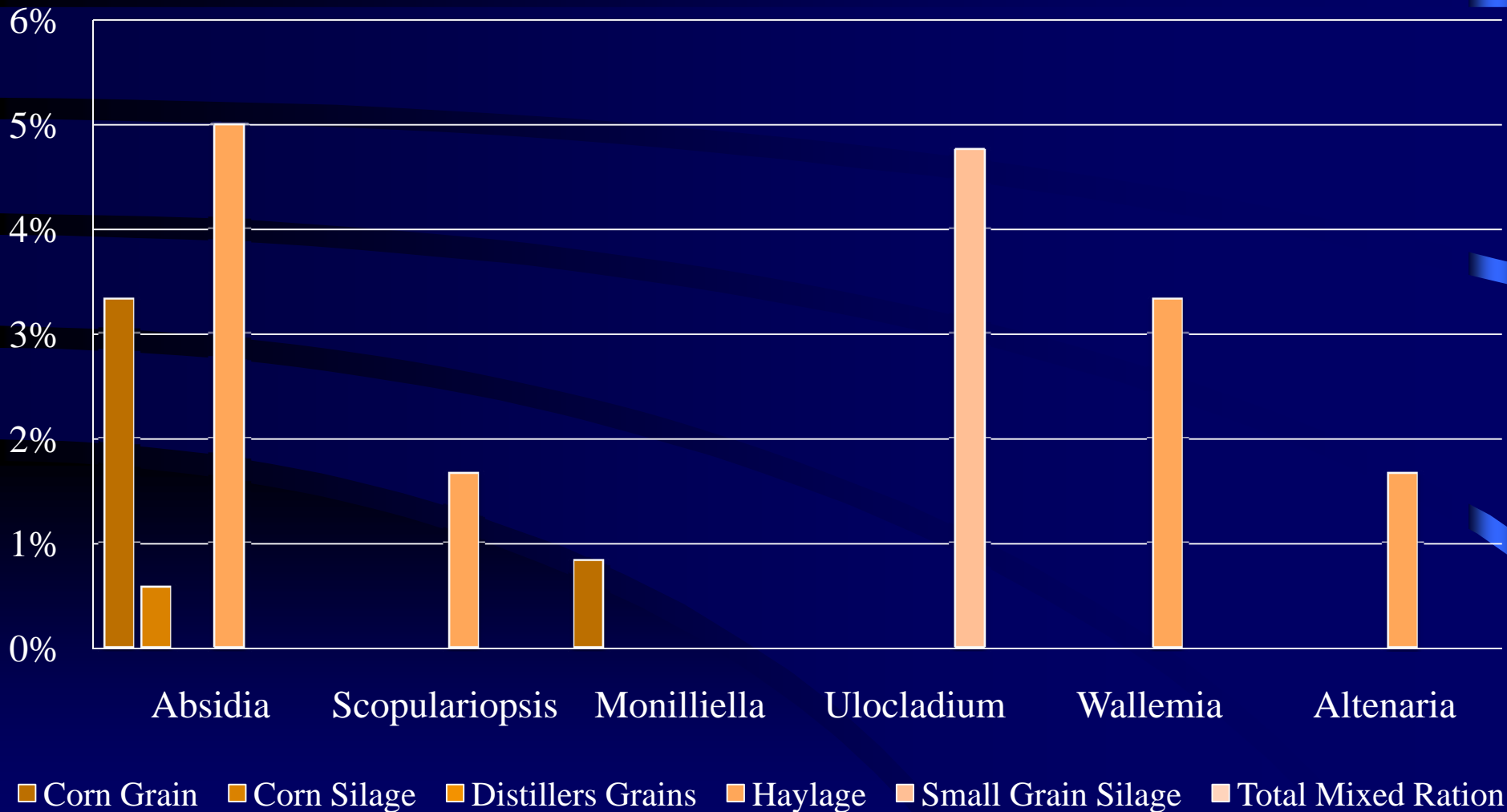
All Feeds

% of Samples with Identified Mold Type, CVAS Fall 2009



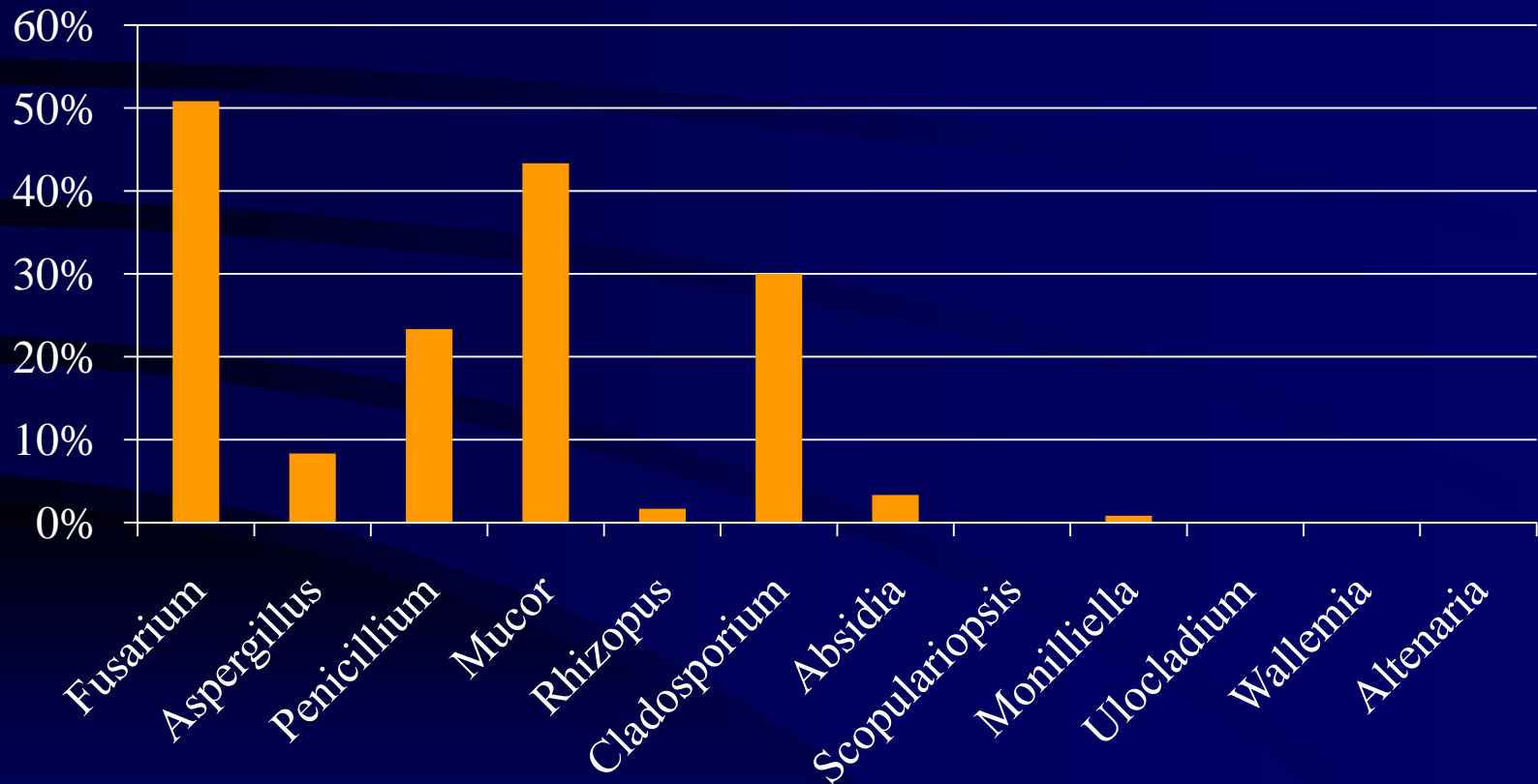
All Feeds

% of Samples with Identified Mold Type, CVAS Fall 2009



Corn Grain

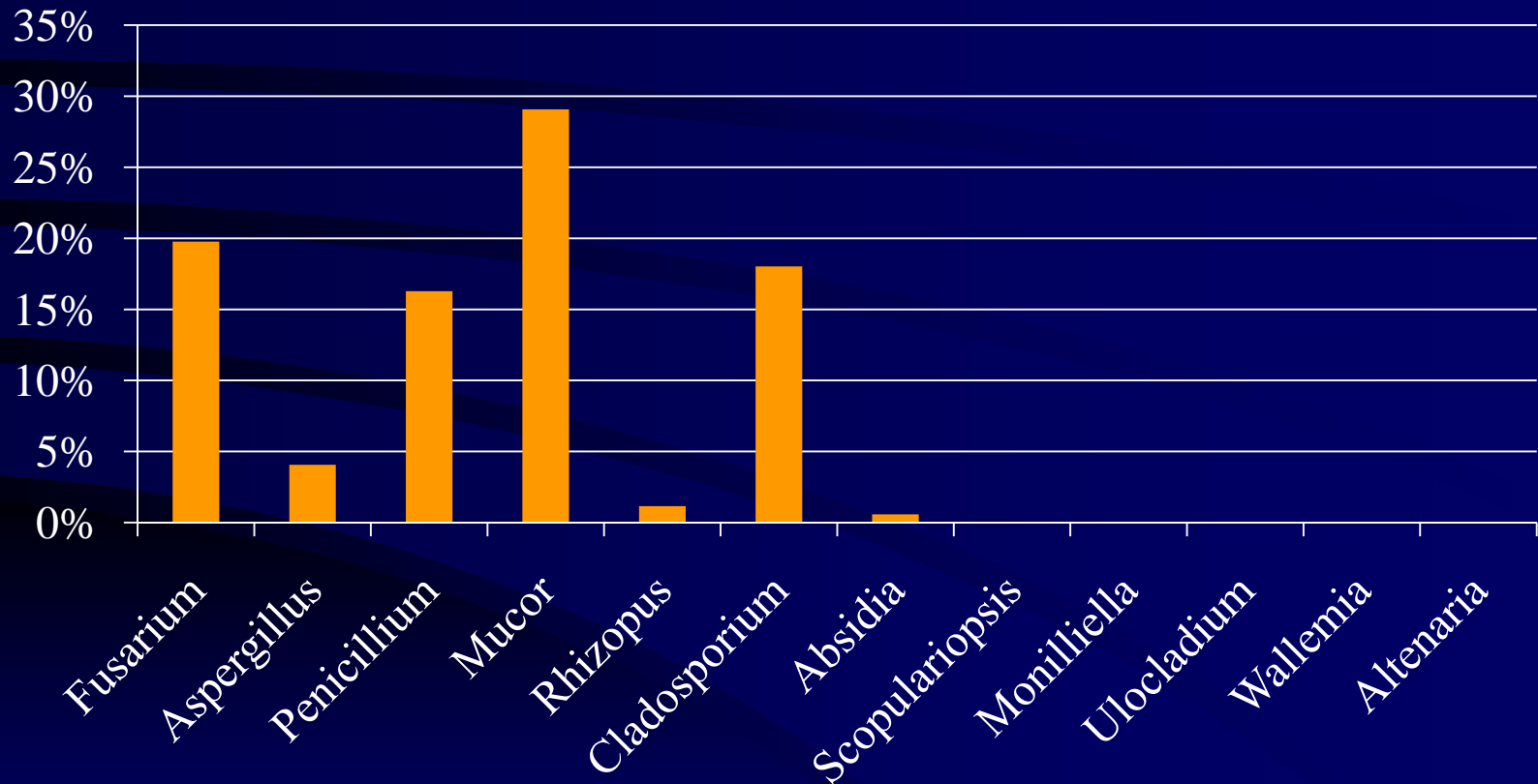
% of Samples with Identified Mold Type, CVAS Fall 2009



N=120

Corn Silage

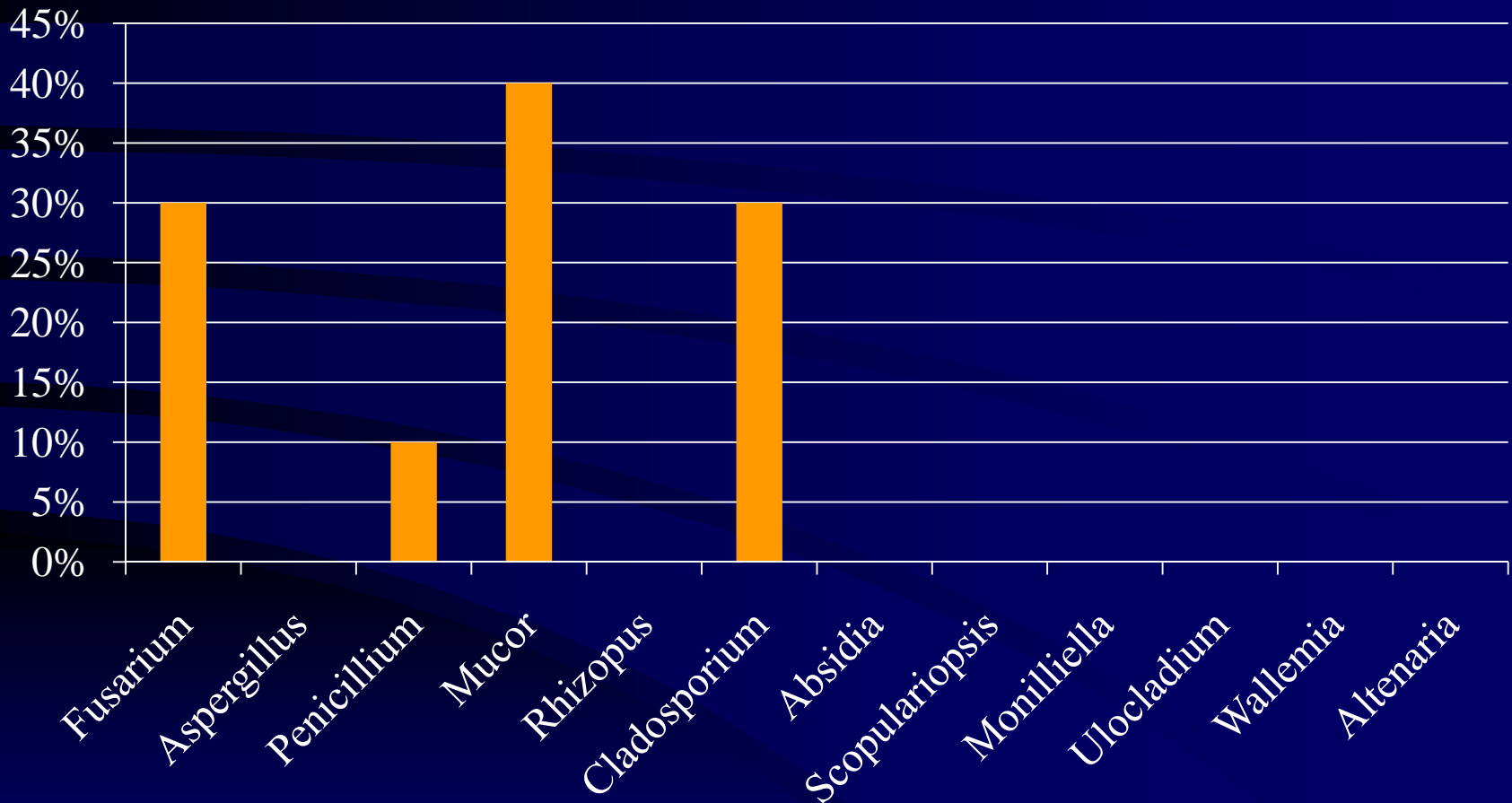
% of Samples with Identified Mold Type, CVAS Fall 2009



N=172

Distillers Grains

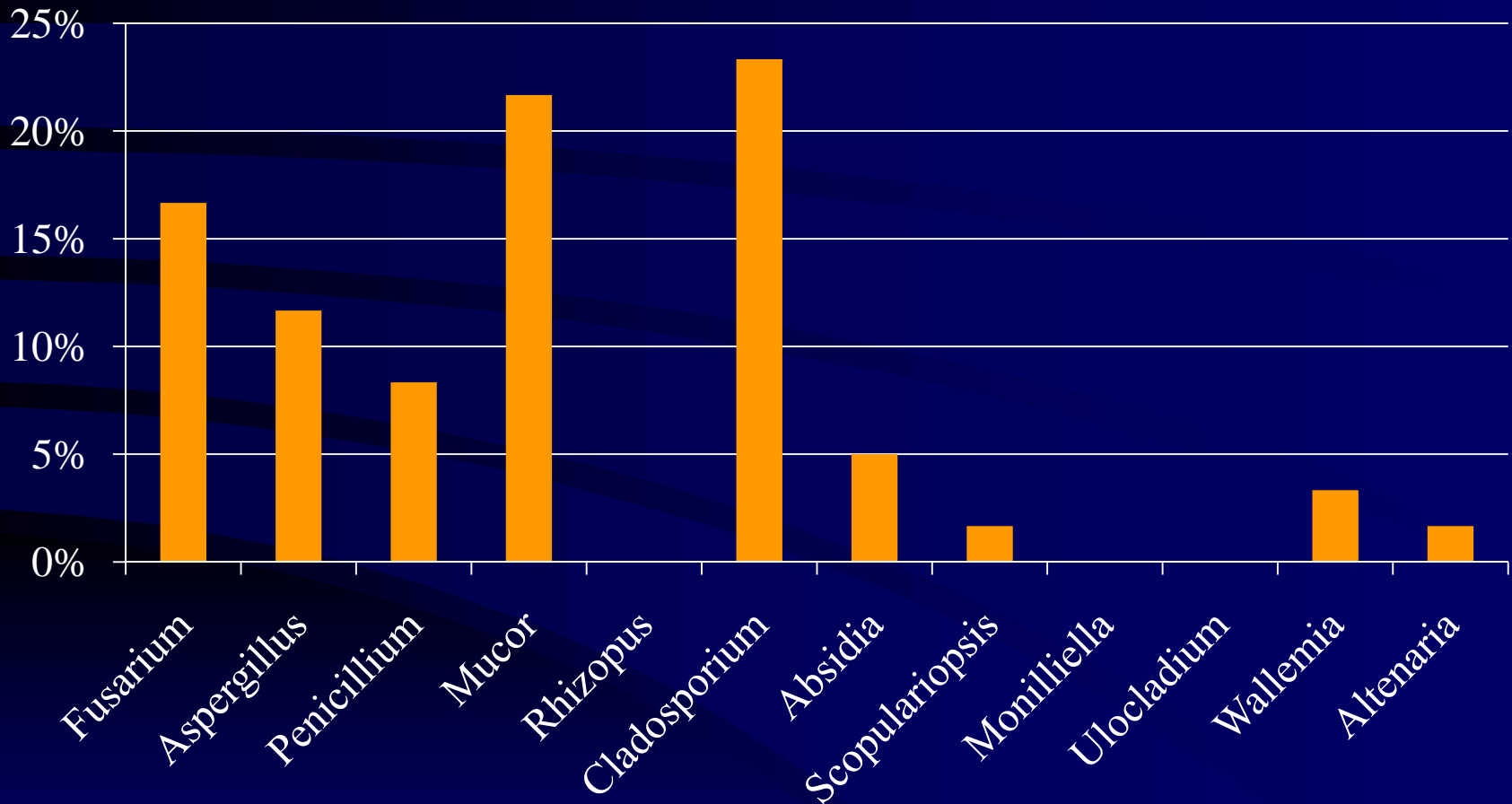
% of Samples with Identified Mold Type, CVAS Fall 2009



N=10

Haylage

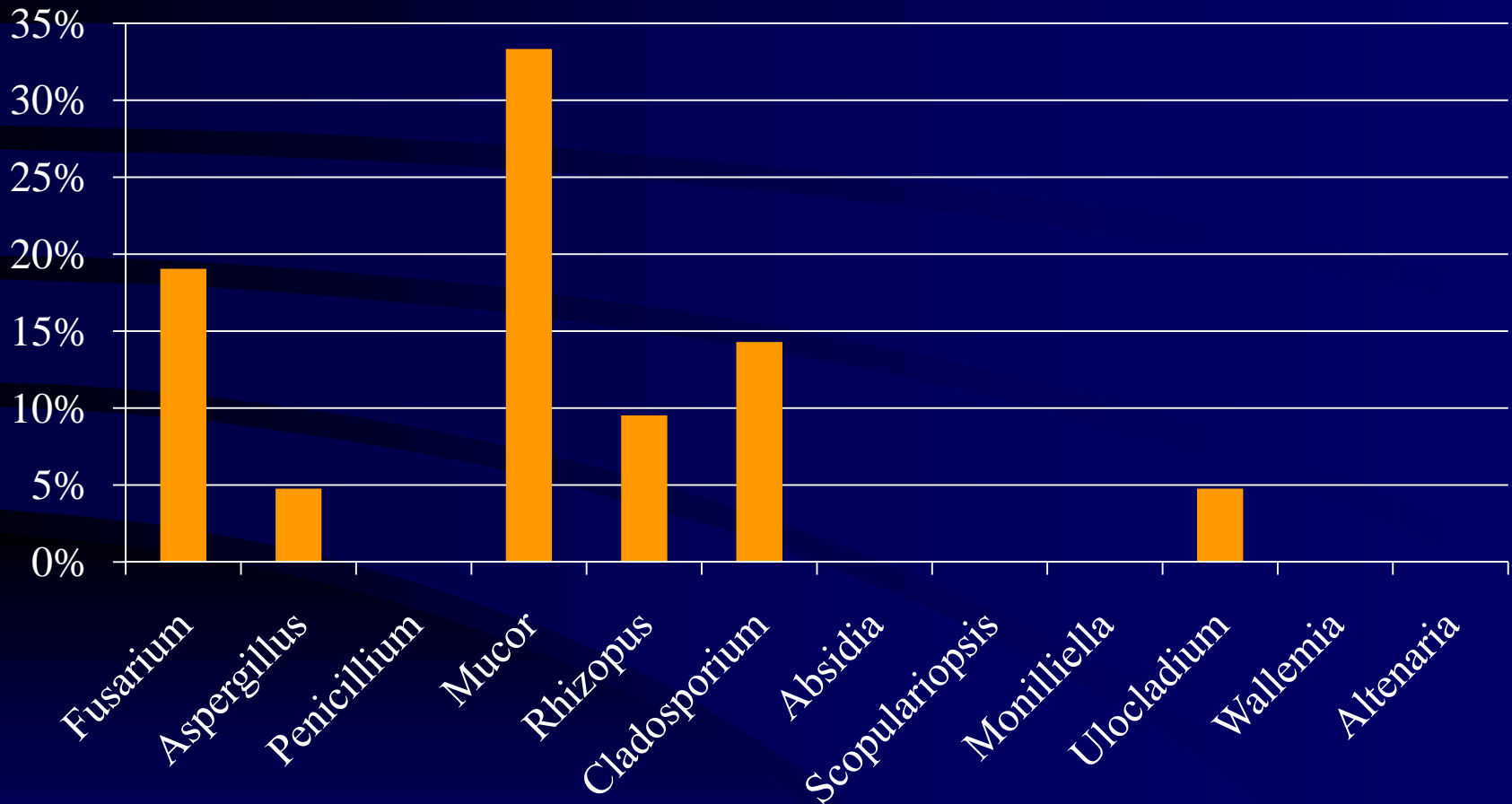
% of Samples with Identified Mold Type, CVAS Fall 2009



N=60

Small Grain Silage

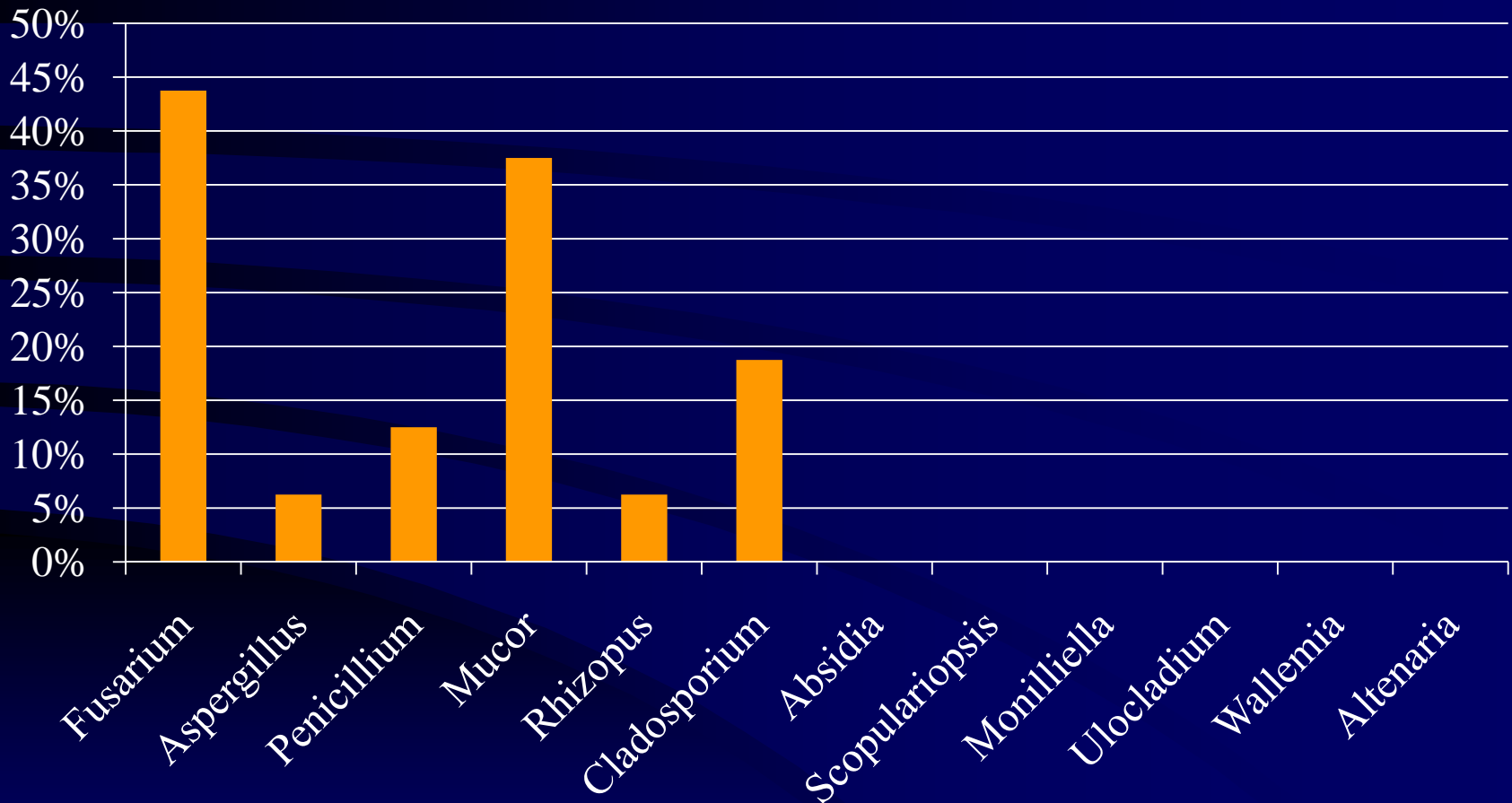
% of Samples with Identified Mold Type, CVAS Fall 2009



N=21

Total Mixed Ratio

% of Samples with Identified Mold Type, CVAS Fall 2009



N=16

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