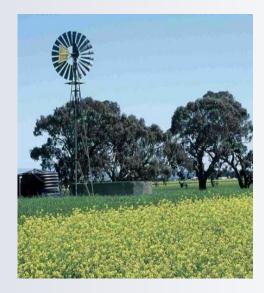
Coordinator: Dao Ho ABB Grain Ltd





15 Participants

- ABB Grain Ltd
- Agrifood Technology
- Atlantic Pacific Foods
- Cargill Oilseeds
- Cargill Processing
- Casco Agritech
- Co-operative Bulk Handling Ltd
- Department of Primary Industries

- GrainCorp (New South Wales)
- GrainCorp (Queensland)
- GrainCorp (Victoria)
- Mac Smith Milling
- NSW Agriculture
- Riverland Oilseeds
- Overseas Merchandise Inspection Co.



Quality Parameters

- Test Weight kg/hl
- Impurities %
- Oil % Rapid (Clean Seed Basis)
- Oil % Solvent (Clean Seed Basis)
- Oil % Solvent (Clean Seed Basis) AOCS Am 2-93

- Oil % SFE Extraction Moisture % Oven
- Moisture % Rapid
- Oleic (Percent Oil)
- Linoleic (Percent Oil)
- Free Fatty Acid (Percent of Oil)



Outlier Determination

To determine outliers we use the formula of 'Q Test for Bad Data' to determine the outliers by standard statistical values. Below is an example of how outliers are determined for an average round of results, with the outliers highlighted in red.

	Test						Oil
Lab	Weight	Lab	Impurities	Lab	Oil Rapid	Lab	Solvent
Code	kg/hl	Code	%	Code	% (Clean)	Code	% (Clean)
	Result		Result		Result		Result
Μ	62.1	I	1.2		42.5	L	42.3
K	66.5	Н	1.4	Α	42.9	В	42.9
E	66.8	F	1.5	C	43.3	F	43.4
	67.2	G	1.5	F	43.7	K	43.8
В	67.5	Α	1.88	H	43.8	C	43.8
G	67.6	E	1.9	G	44.2		43.8
J	68	K	1.9	D	44.2	Н	43.9
F	69.7	L	2	,	44.3	E	44.4
Н		М	2.2	E	44.4	J	44.7
Α		D	2.2	K	44.5	G	45.1
С		J	2.3	М	45.9	Α	
D		С	2.5	В		D	
L		В		L		М	
Mean	66.93	Mean	1.87	Mean	43.97	Mean	43.81
Stdev	2.18	Stdev	0.40	Stdev	0.91	Stdev	0.82
Q1	66.725	Q1	1.5	Q1	43.5	Q1	43.5
Q3	67.7	Q3	2.2	Q3	44.35	Q3	44.275
IQR	0.975	IQR	0.7	IQR	0.85	IQR	0.775
Determine	1.4625	Determine	1.05	Determine	1.275	Determine	1.1625
True Outlier Q1	65.2625	True Outlier Q1	0.45	True Outlier Q1	42.225	True Outlier Q1	42.3375
True Outlier Q3	69.1625	True Outlier Q3	3.25	True Outlier Q3	45.625	True Outlier Q3	45.4375





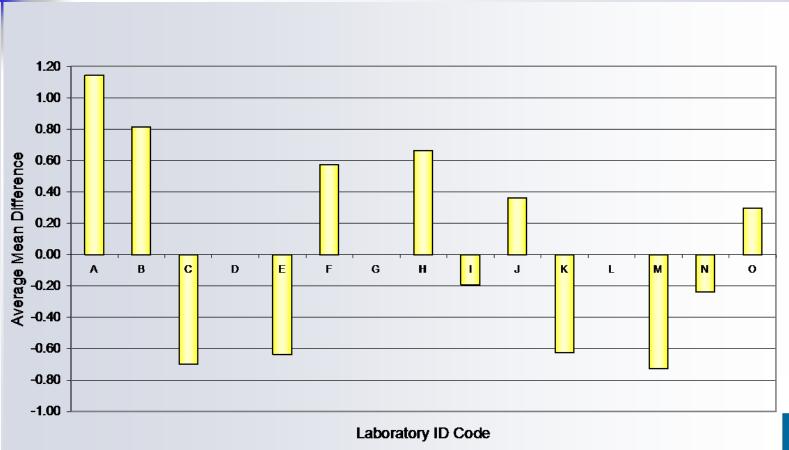
The monthly results from the test check program are published on the Australian Oilseeds web site alongside previous seasons of the program.

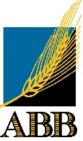
To view all results from 2001 – 2007 visit:

www.australianoilseeds.com

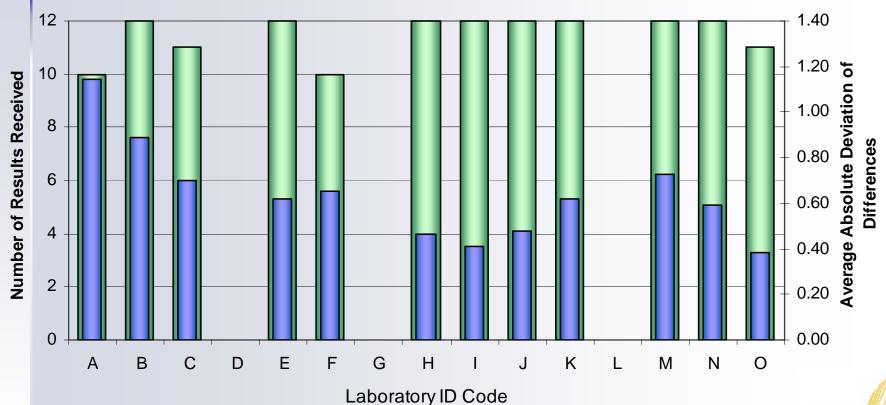


Test Weight kg/hl Average of the Mean Difference

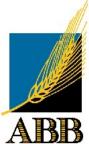




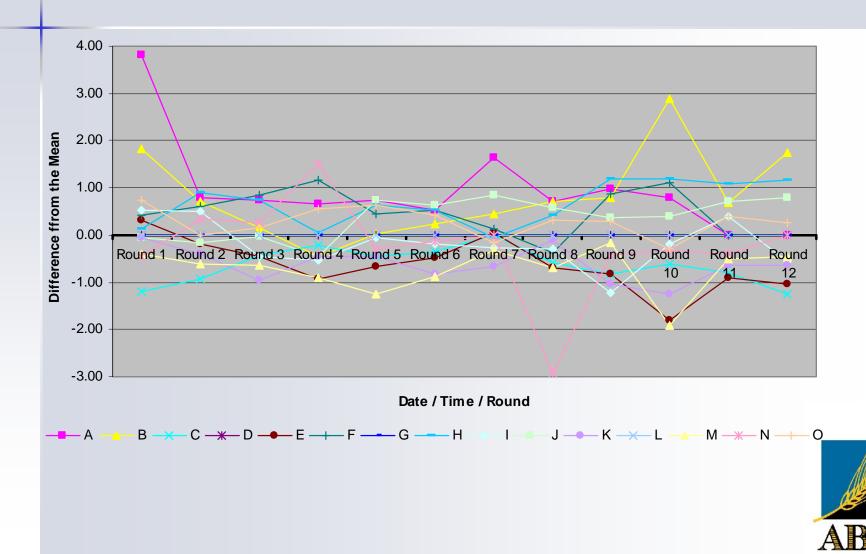
Test Weight kg/hl Average Absolute Deviation of Difference and Number of Results



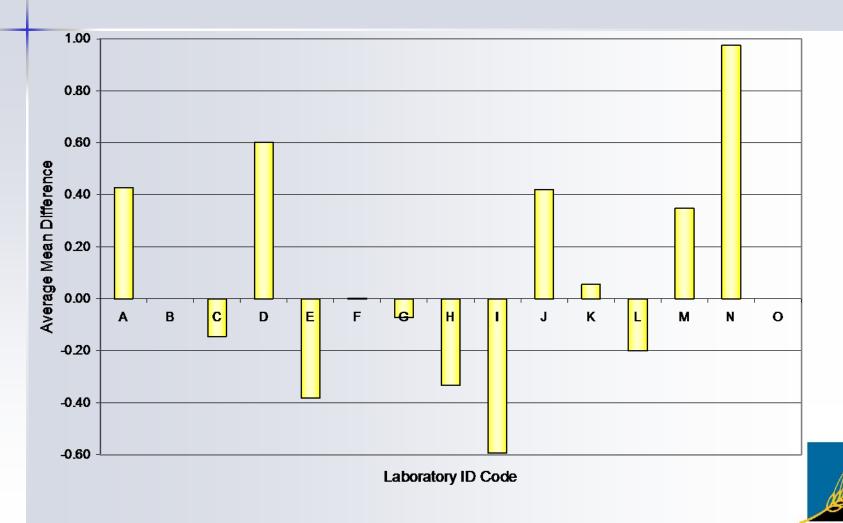
Number of Results Received Average Absolute Deviation of Difference



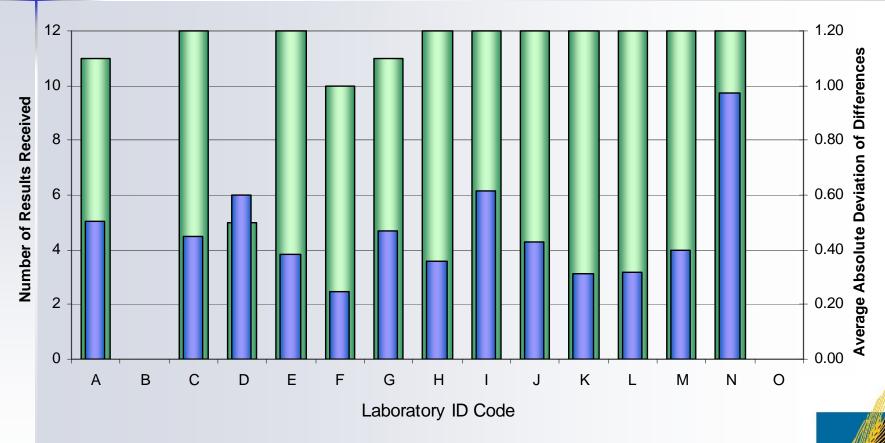
Test Weight kg/hl Difference from the Mean vs. Time



Impurities % Average Mean Difference



Impurities % Average Absolute Deviation of Difference and Number of Results

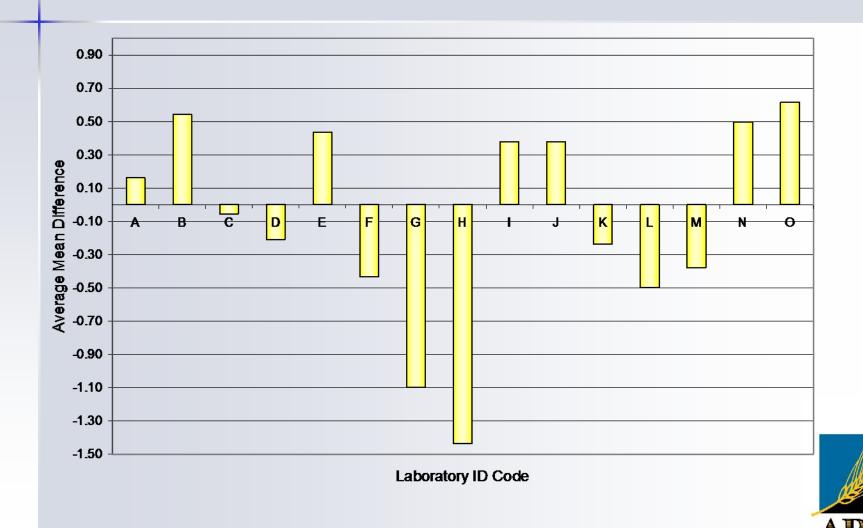


□ Number of Results Received □ Average Absolute Deviation of Difference

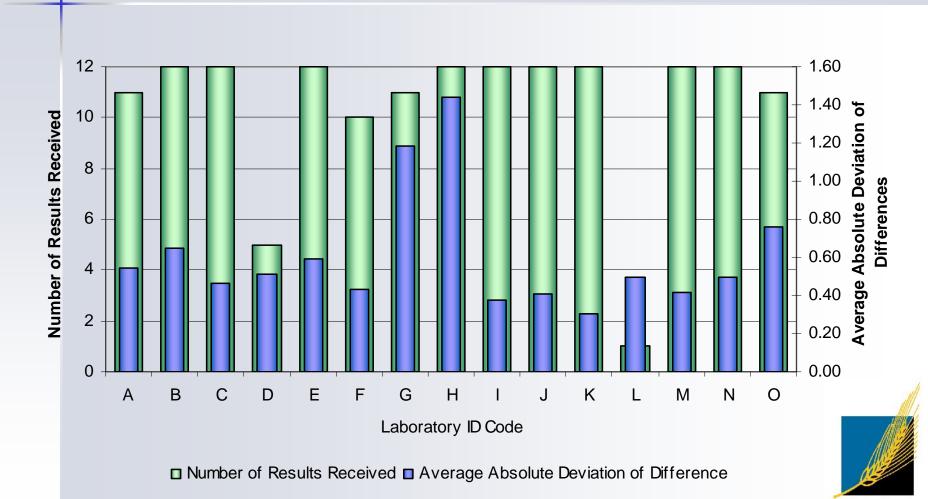
Impurities % Difference from the Mean vs. Time



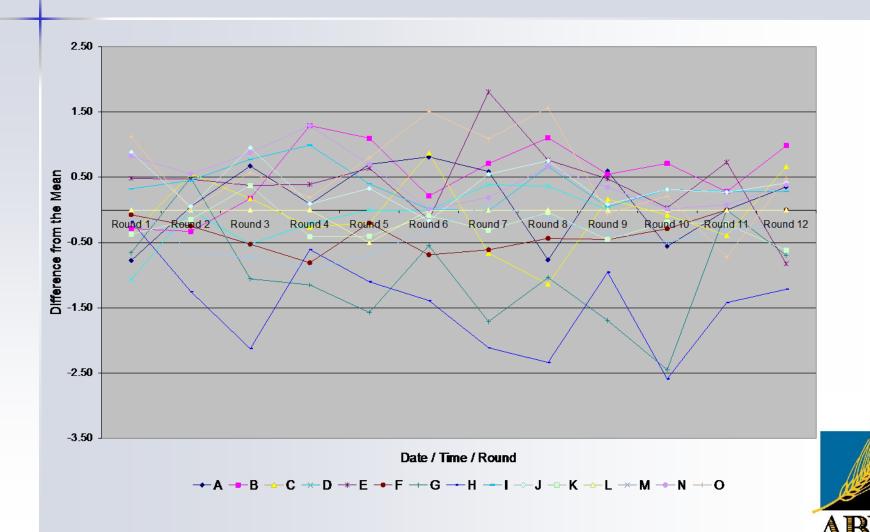
Oil % - Rapid (Clean Seed Basis) Average of the Mean Difference



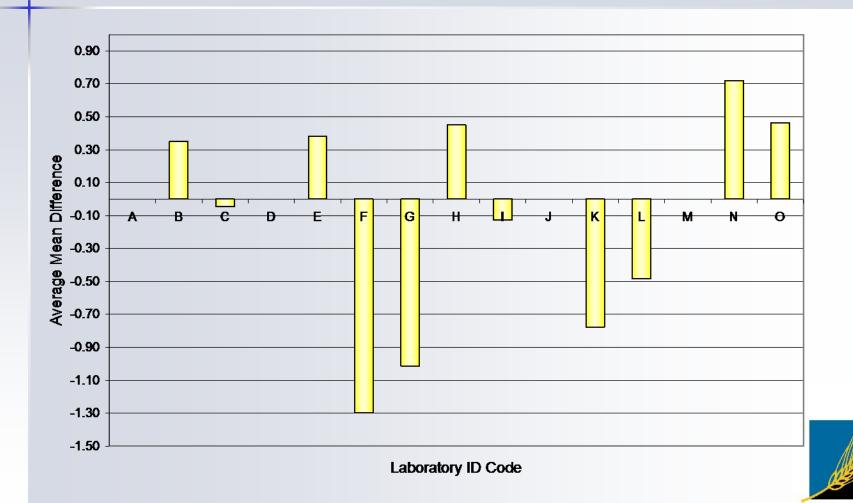
Oil % - Rapid (Clean Seed Basis) Average Absolute Deviation of Difference and Number of Results



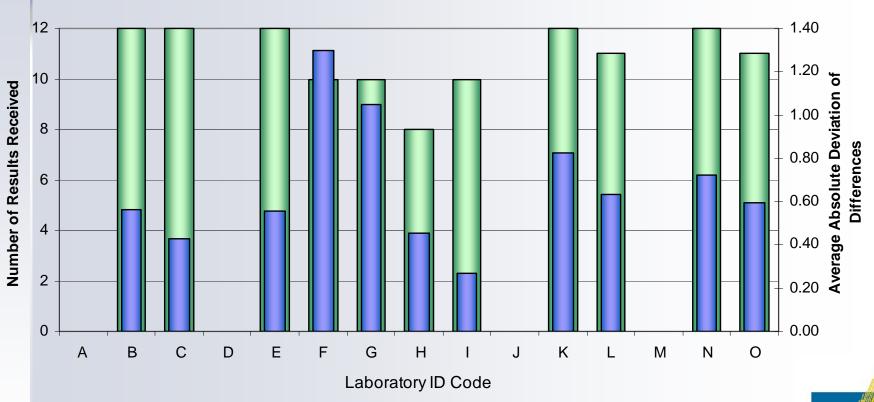
Oil % – Rapid Difference from the Mean vs. Time



Oil % Solvent Average of the Mean Difference



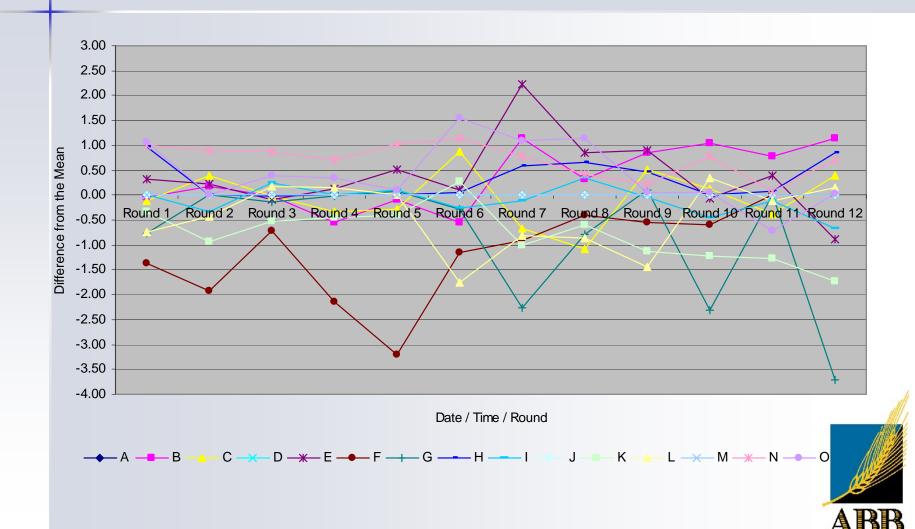
Oil % Solvent Average Absolute Deviation of Difference and Number of Results



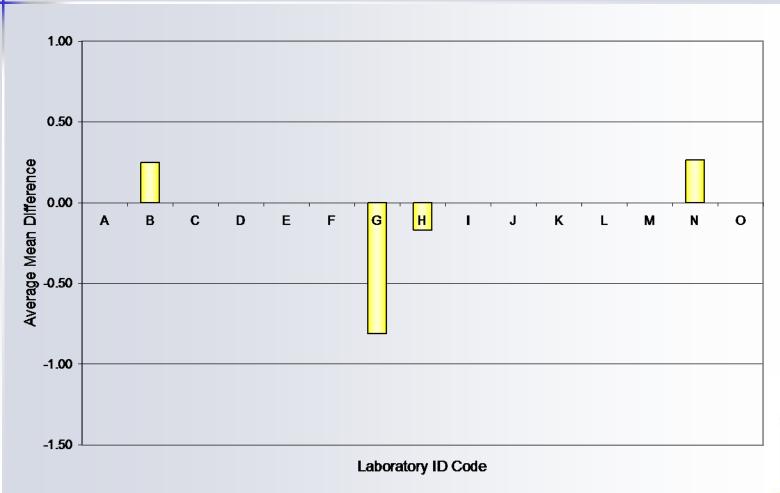
□ Number of Results Received □ Average Absolute Deviation of Difference



Oil % – Solvent Difference from the Mean vs. Time

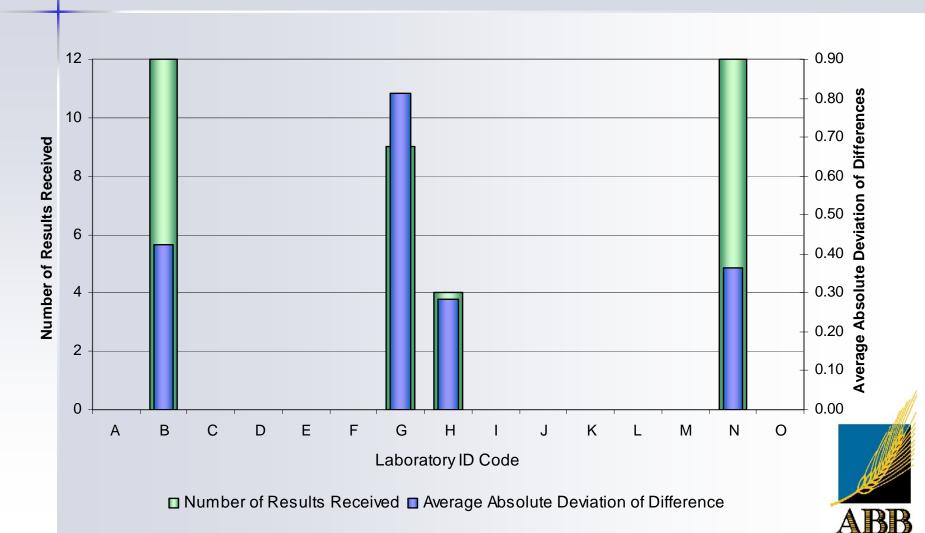


Oil % Solvent (AOCS) Average of the Mean Difference

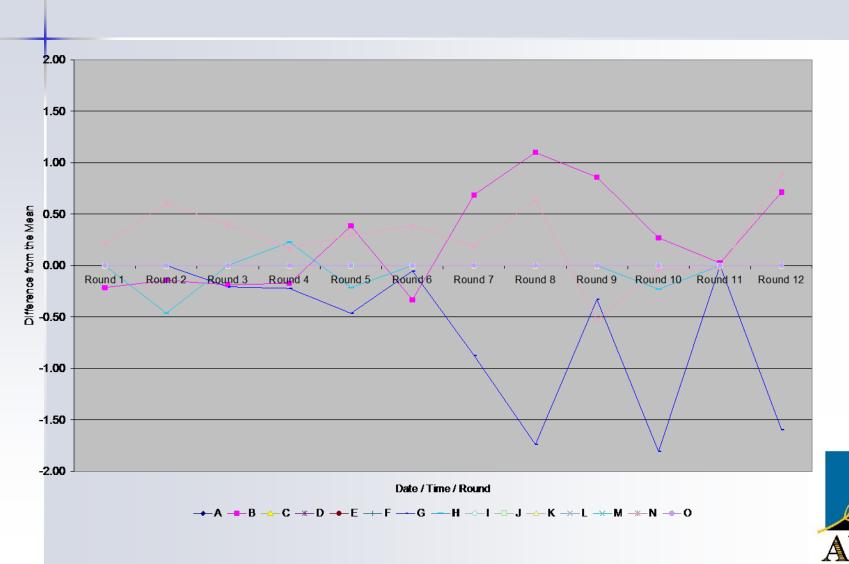




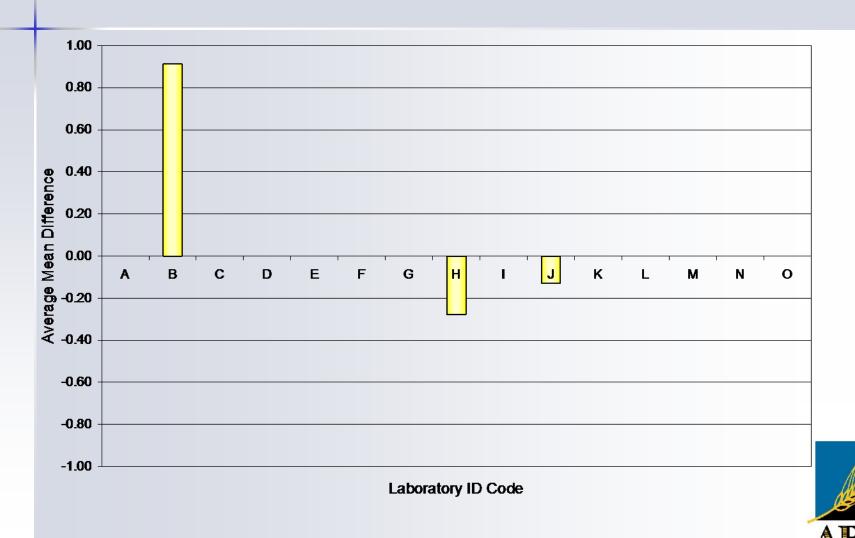
Oil % Solvent (AOCS) Average Absolute Deviation of Difference and Number of Results



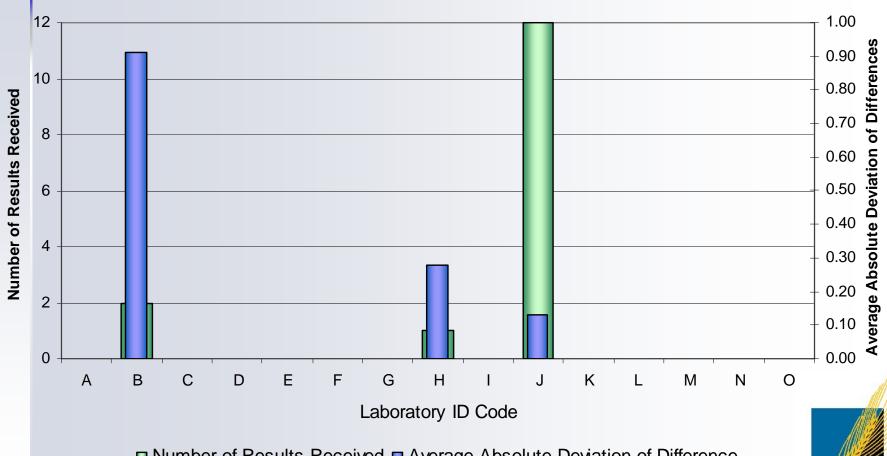
Oil % – Solvent (AOCS) Difference from the Mean vs. Time



Oil % - SFE Extraction Average of the Mean Difference



Oil % – SFE Extraction Average Absolute Deviation of Difference and Number of Results

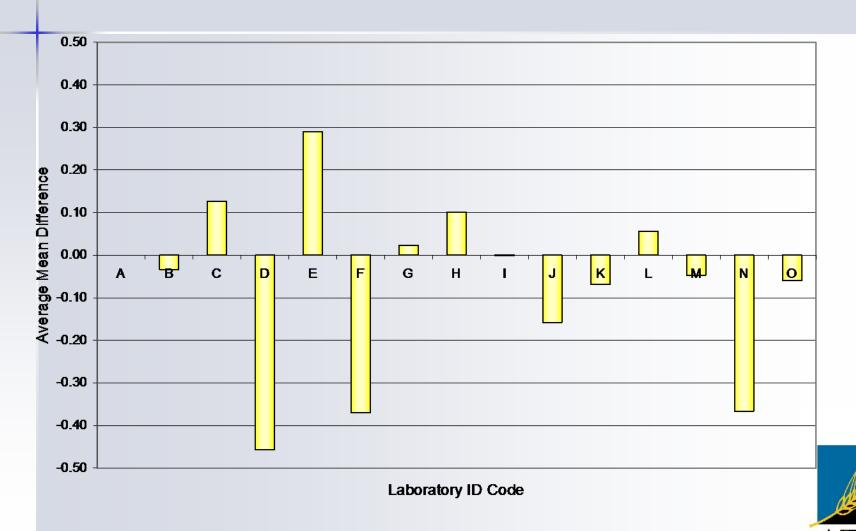


Number of Results Received Average Absolute Deviation of Difference

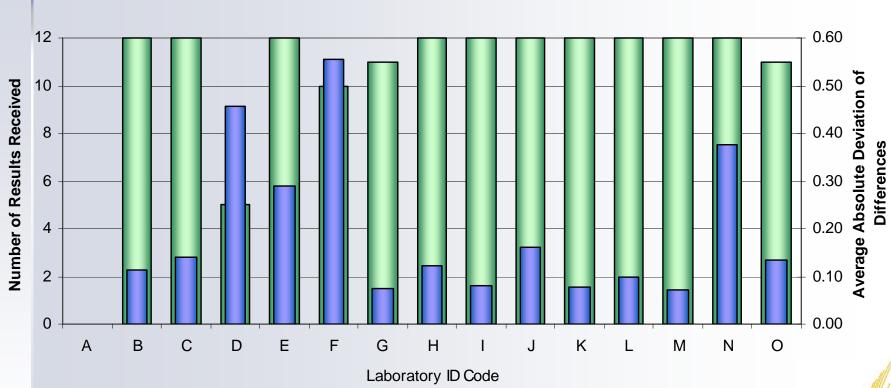
Oil % – SFE Extraction Difference from the Mean vs. Time



Moisture % - Oven Average of the Mean Difference



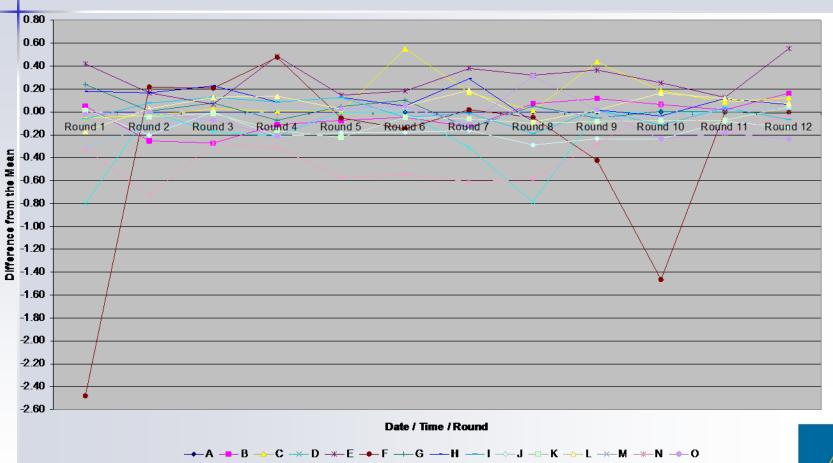
Moisture % - Oven Average Absolute Deviation of Difference and Number of Results



Number of Results Received Average Absolute Deviation of Difference

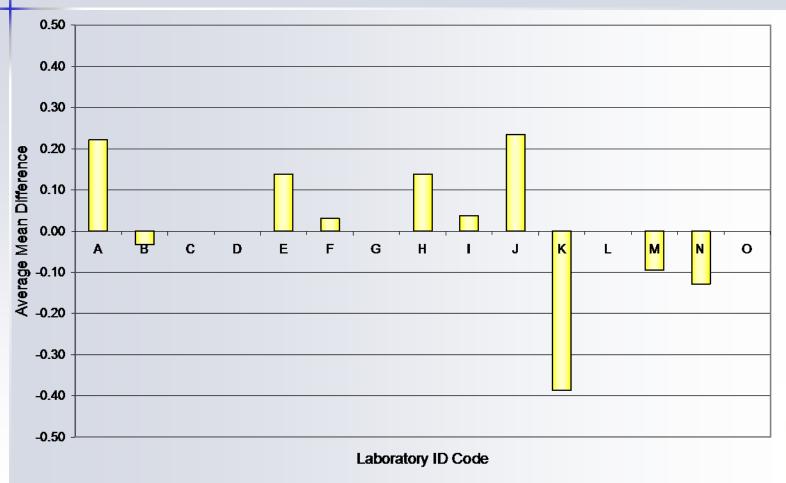


Moisture % – Oven Difference from the Mean vs. Time



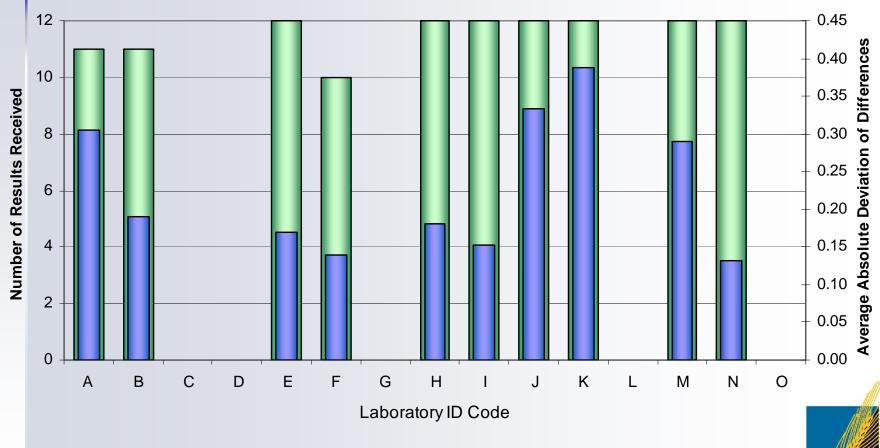


Moisture % - Rapid Average of the Mean Difference



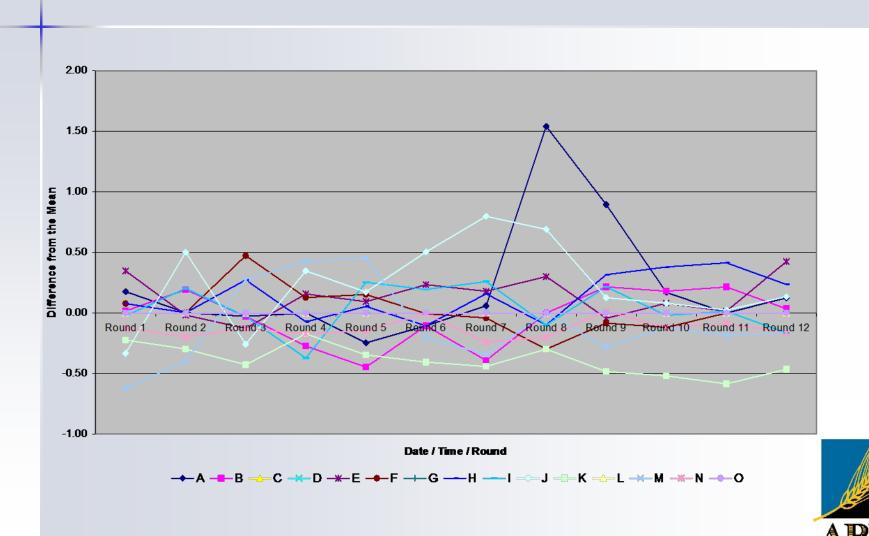


Moisture % - Rapid Average Absolute Deviation of Difference and Number of Results

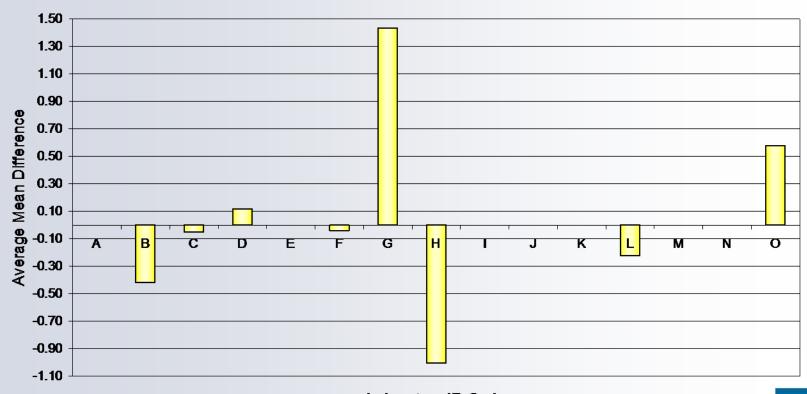


Number of Results Received Average Absolute Deviation of Difference

Moisture % – Rapid Difference from the Mean vs Time



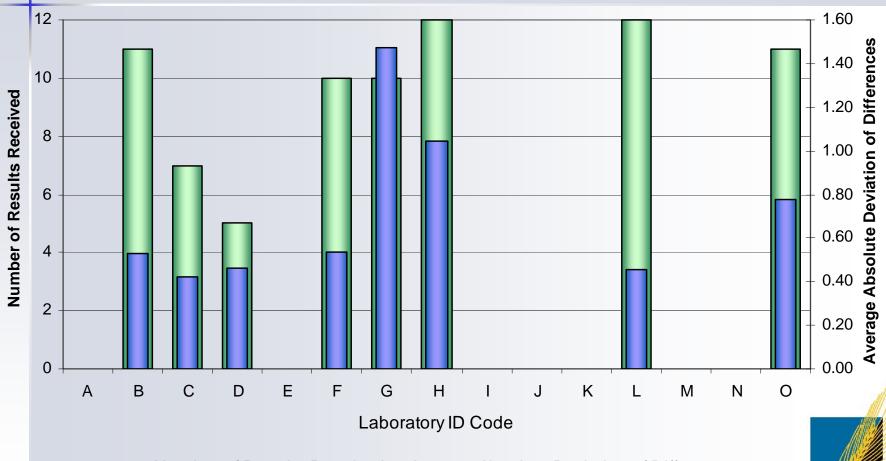
Oleic % Oil Average of the Mean Difference



Laboratory ID Code



Oleic % Oil Average Absolute Deviation of Difference and Number of Results

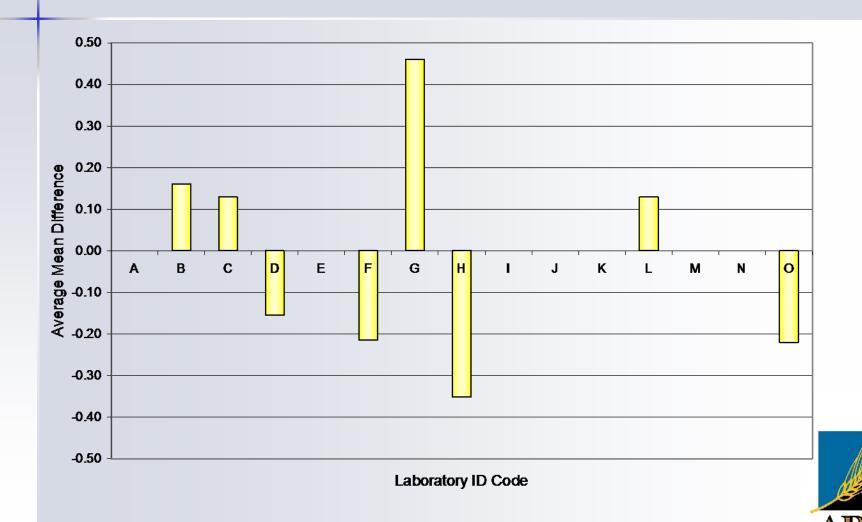


Number of Results Received Average Absolute Deviation of Difference

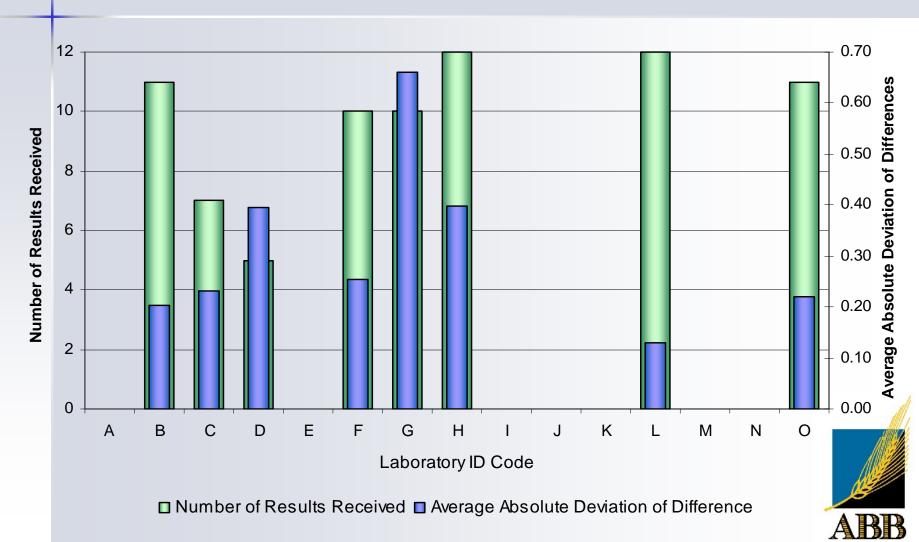
Oleic % Oil Difference from the Mean vs. Time



Linoleic % Oil Average of the Mean Difference



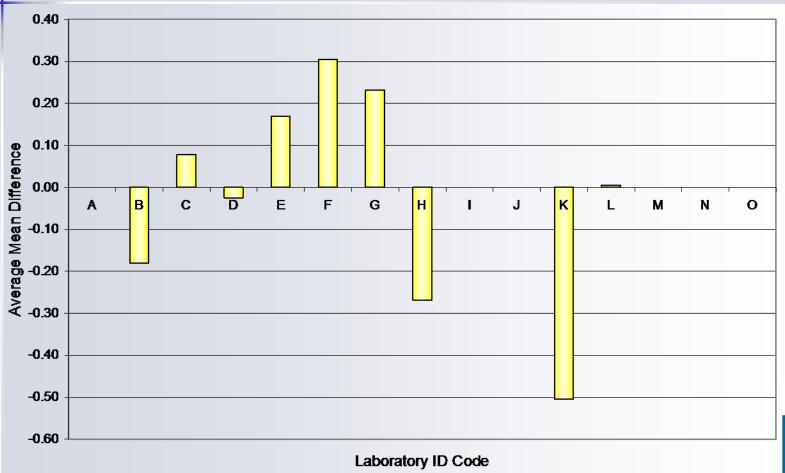
Linoleic % Oil Average Absolute Deviation of Difference and Number of Results



Linoleic % Oil Difference from the Mean vs. Time

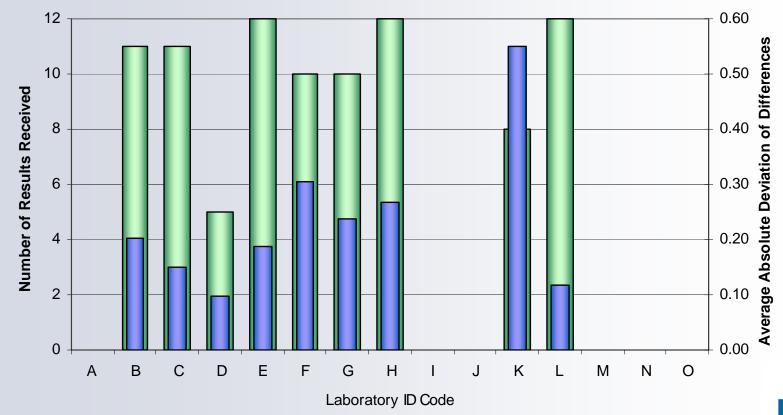


Free Fatty Acid % Oil Average of the Mean Difference





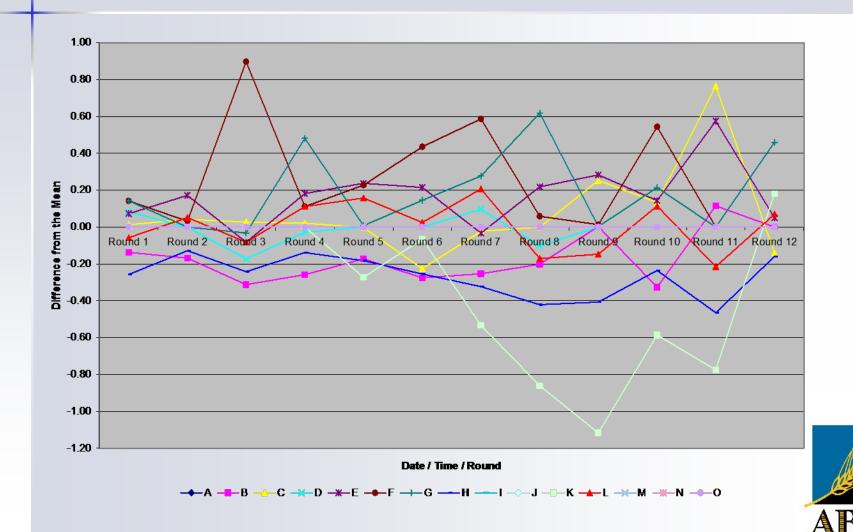
Free Fatty Acid % Oil Average Absolute Deviation of Difference and Number of Samples



□ Number of Results Received □ Average Absolute Deviation of Difference



Free Fatty Acid % Oil Difference from the Mean vs. Time



Missing Results

Participation decreased this season with 12 missing submissions for the season compared to 4 for 2005/2006.

Round Number	Participant		
1	_		
2	D, O		
3	_		
4	_		
5	D		
6	D		
7	-		
8	_		
9	D		
10	D		
11	A, DF, G		
12	D, F		



Plans for 2007/2008

- CereTech Pty Ltd to continue as coordinators of the test check program.
- Round 1 commenced 12/12/2007
- Sample size has increased from 500g to 1kg with results to be reported in duplicate
- Dao Ho will be collating the results for 2007/2008. If emailing your results, please send them to: dao.ho@abb.com.au



Suggestions? Opinions? Feedback?

I am after any feedback, positive or negative, regarding the program.

If you have any suggestions on how the program could be run better or if you no longer want to participate, please contact me. I look forward to hearing from you all!

> Dao Ho Ph 08 8304 5030 Dao.ho@abb.com.au



Thank you for your participation in the 2006/2007 AOF Test Check Program

