Earth Life Pty. Ltd.

RESEARCH REPORT

Effect of Bud Burst on Peanut Quality

Trial conducted by D.E. & J.A. Gleeson, Agricultural Consultant

AIM: To determine the effect of Bud Burst on peanut quality

PROCEDURE: 50% of NC Peanut field sprayed with two applications of Bud Burst, then random samples of peanuts taken at harvest.

TREATMENTS:

1. 50% of irrigated NC Peanut field was untreated.
2. 50% of irrigated NC Peanut field was sprayed with Bud Burst at 1 lt / ha six weeks after planting.
3. A further application of Bud Burst at lt / ha was sprayed 10 days later.
4. Random samples of mature peanuts were taken at harvest and graded by PMB.

ASSESSMENT:

RAW RESULTS

CONTROL

Gradings	Weight
Jumbo	495
Grade 1	106
Grade 2	32
Mfg	17
Splits	74
Oil-TS	8
Shell	268

TREATMENT - Bud Burst

Gradings	Weight
Jumbo	561
Grade 1	80
Grade 2	12
Mfg	8
Splits	87
Oil-TS	5
Shell	247

ASSESSMENT (Continued.....):

Bud Burst-Observed	Expected	Control-Observed	Expected	Chi Square
561	*528.0*	495	*528.0*	4.125
80	*93.0*	106	*93.0*	3.6344
12	*22.0*	32	*22.0*	9.0909
247	*257.5*	268	*257.5*	0.8563
100	*99.5*	99	*99.5*	0.0050
1000		1000		*** 17.7117**

4 Degrees of Freedom *** Probability < 0.005** *** Significant**

Note: Jumbo, Grade 1, Grade 2, Shell, and other categories combined (The Rest) were compared.

CONCLUSIONS:

Bud Burst significantly improves the size and quality of peanuts. (No yield data was taken from this trial)

Significant increases in dollars per hectare can be achieved through higher prices for better quality.