



# Future Orchards 2012

## Cripps Pink Monitor Block Data Analysis

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AgFirst

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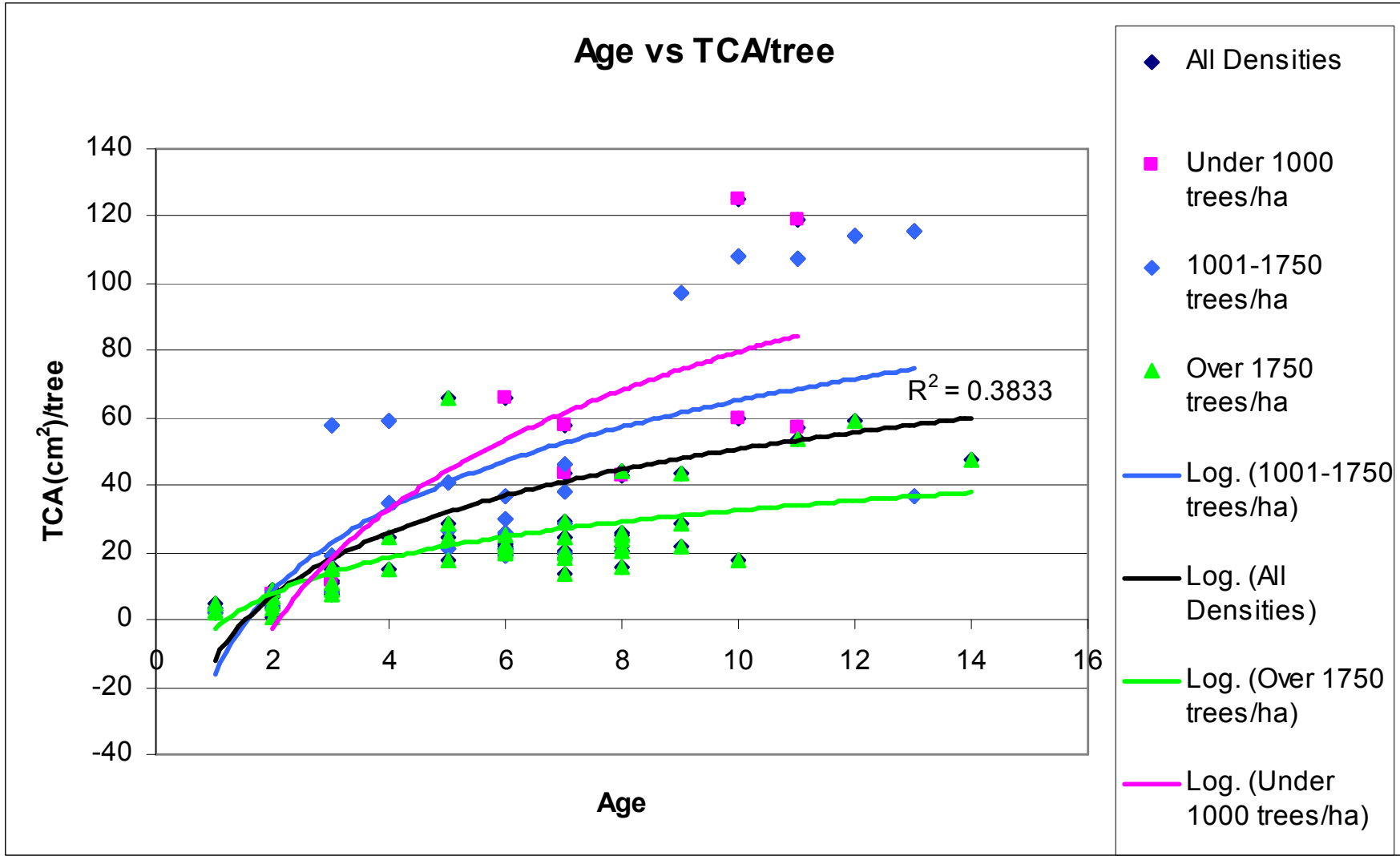
# Monitor Block Data Analysis

Will look at data:

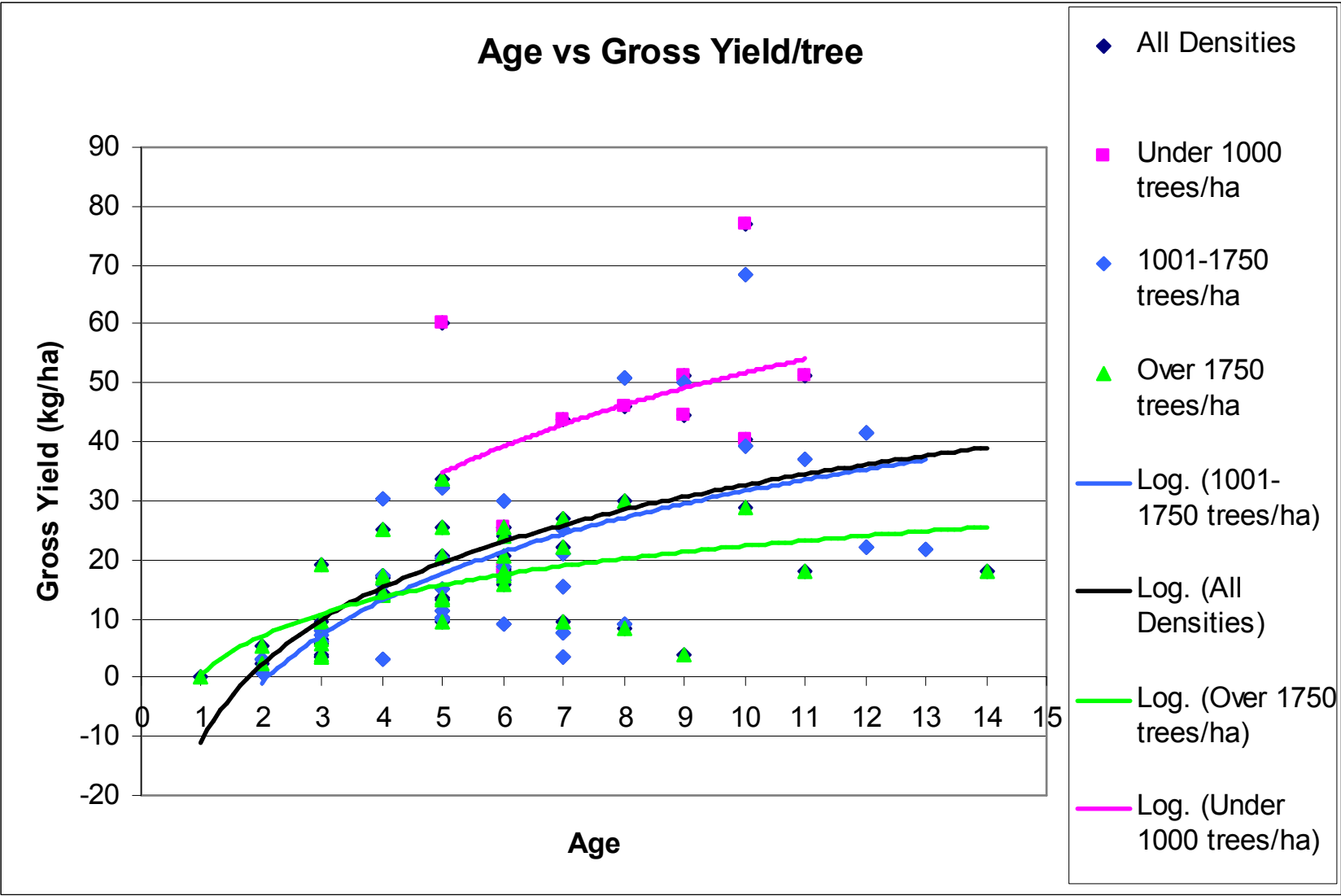
- On an individual tree basis
- On a per hectare basis
- As individual case studies of high performing blocks.



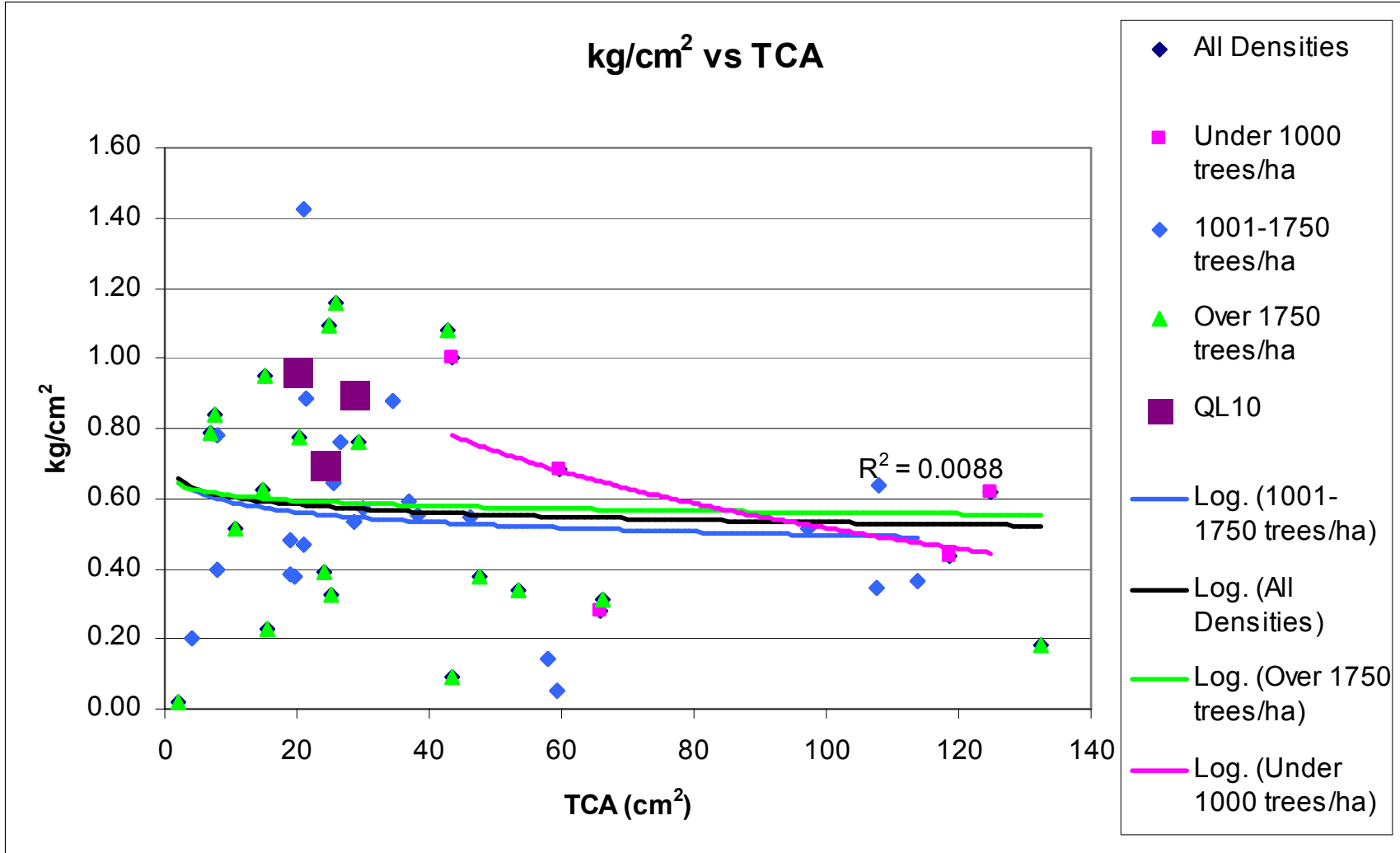
# Individual Tree Performance



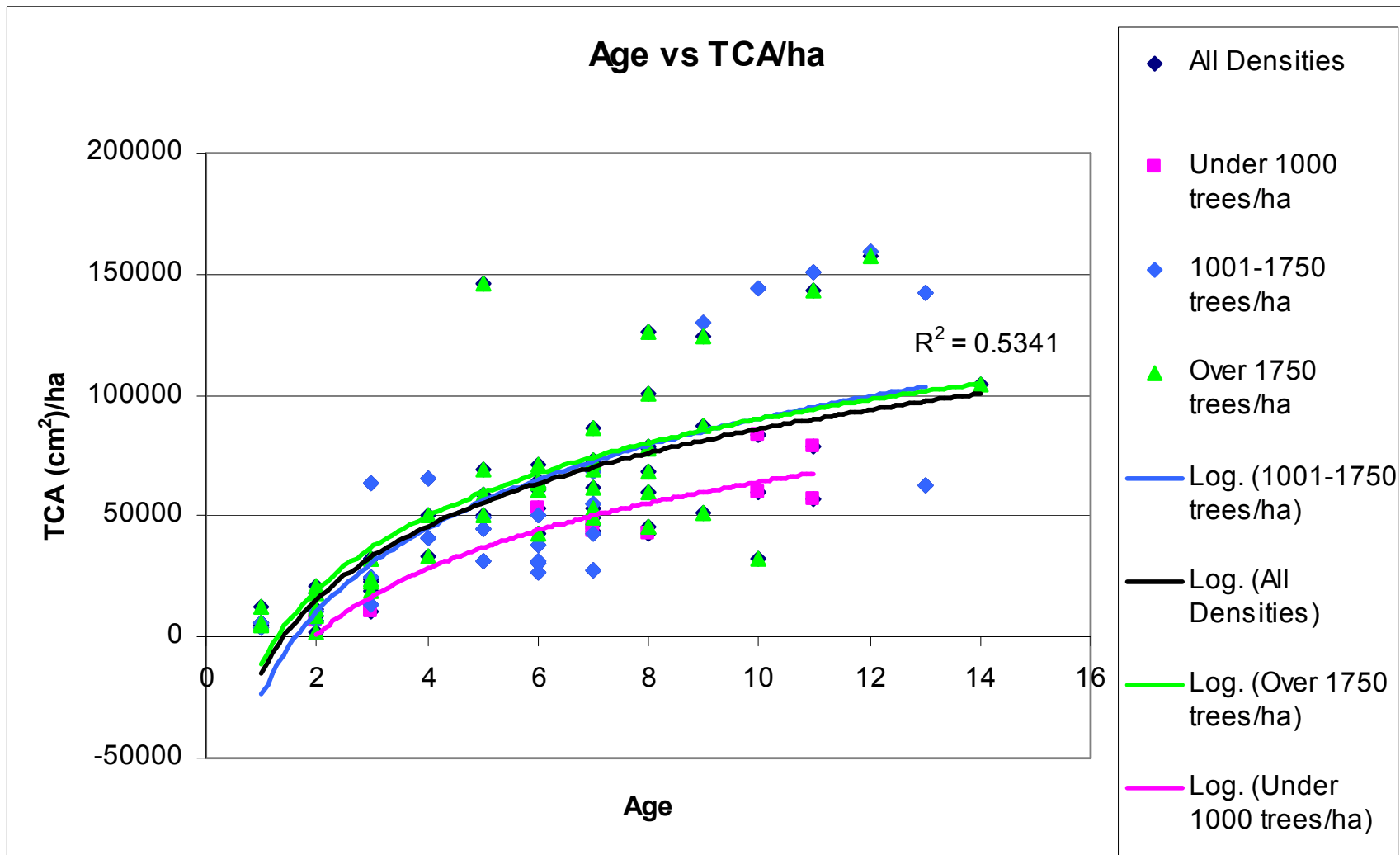
# Individual Tree Performance



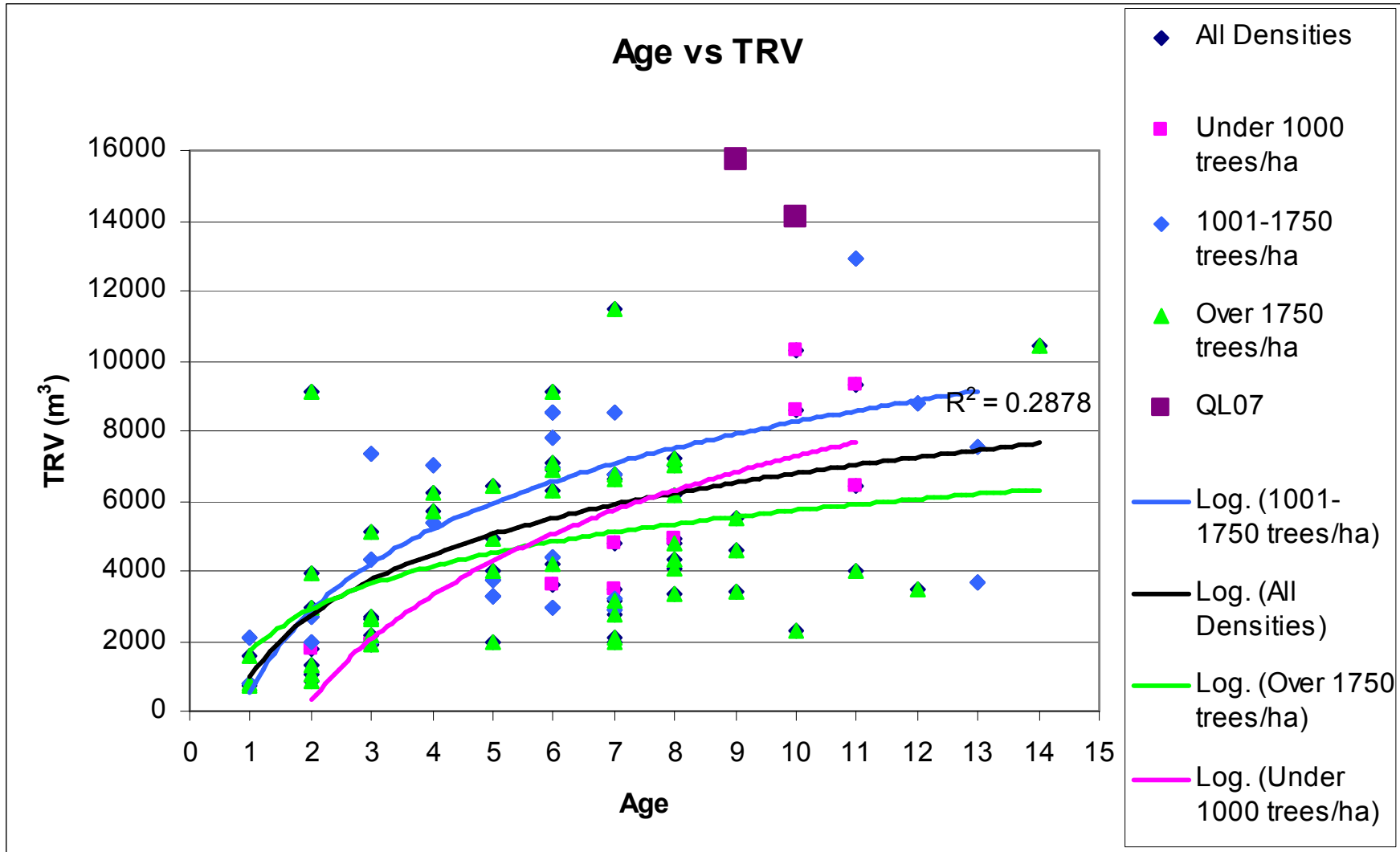
# Individual Tree Performance



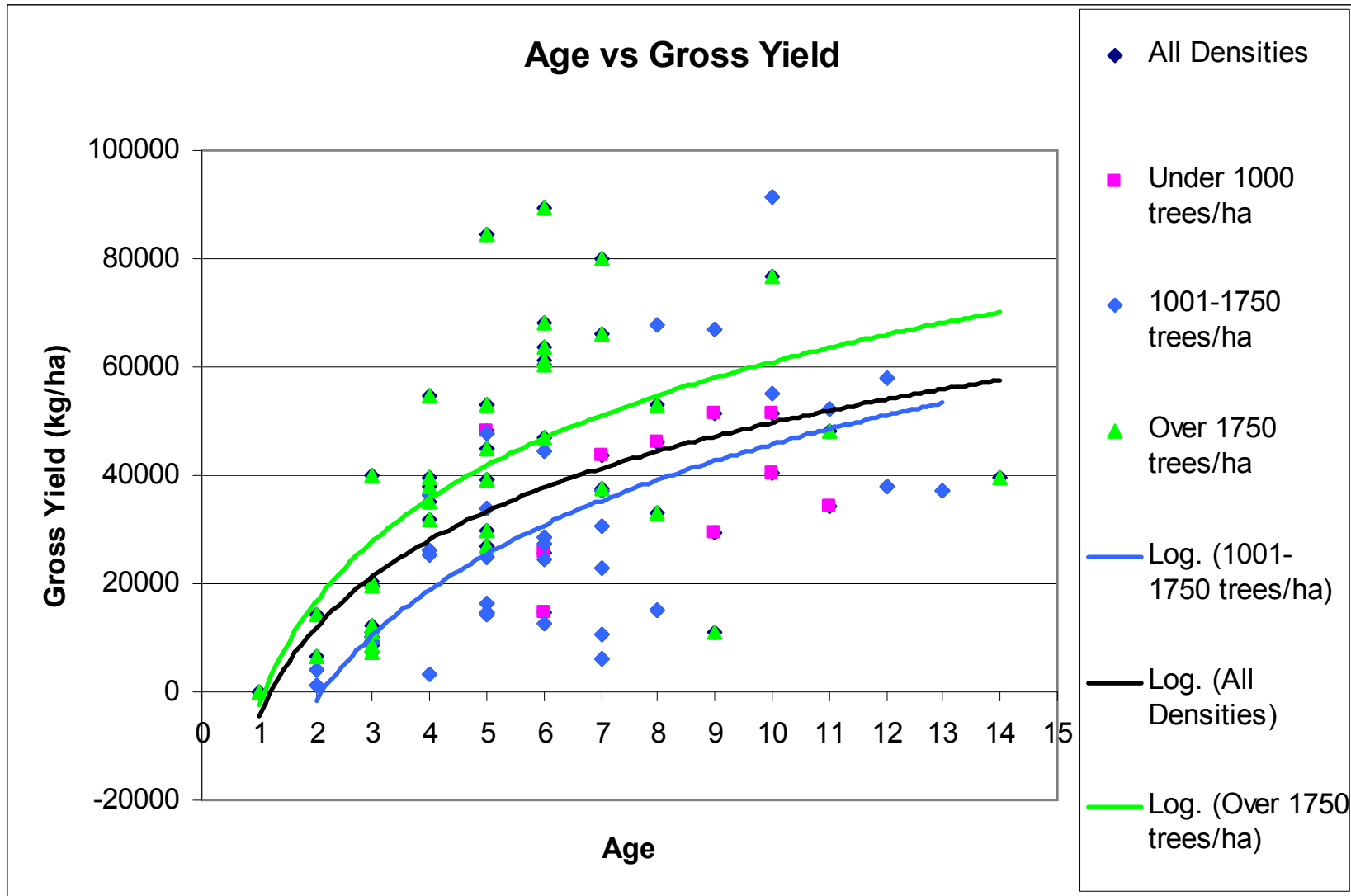
# Per Hectare Performance



# Per Hectare Performance

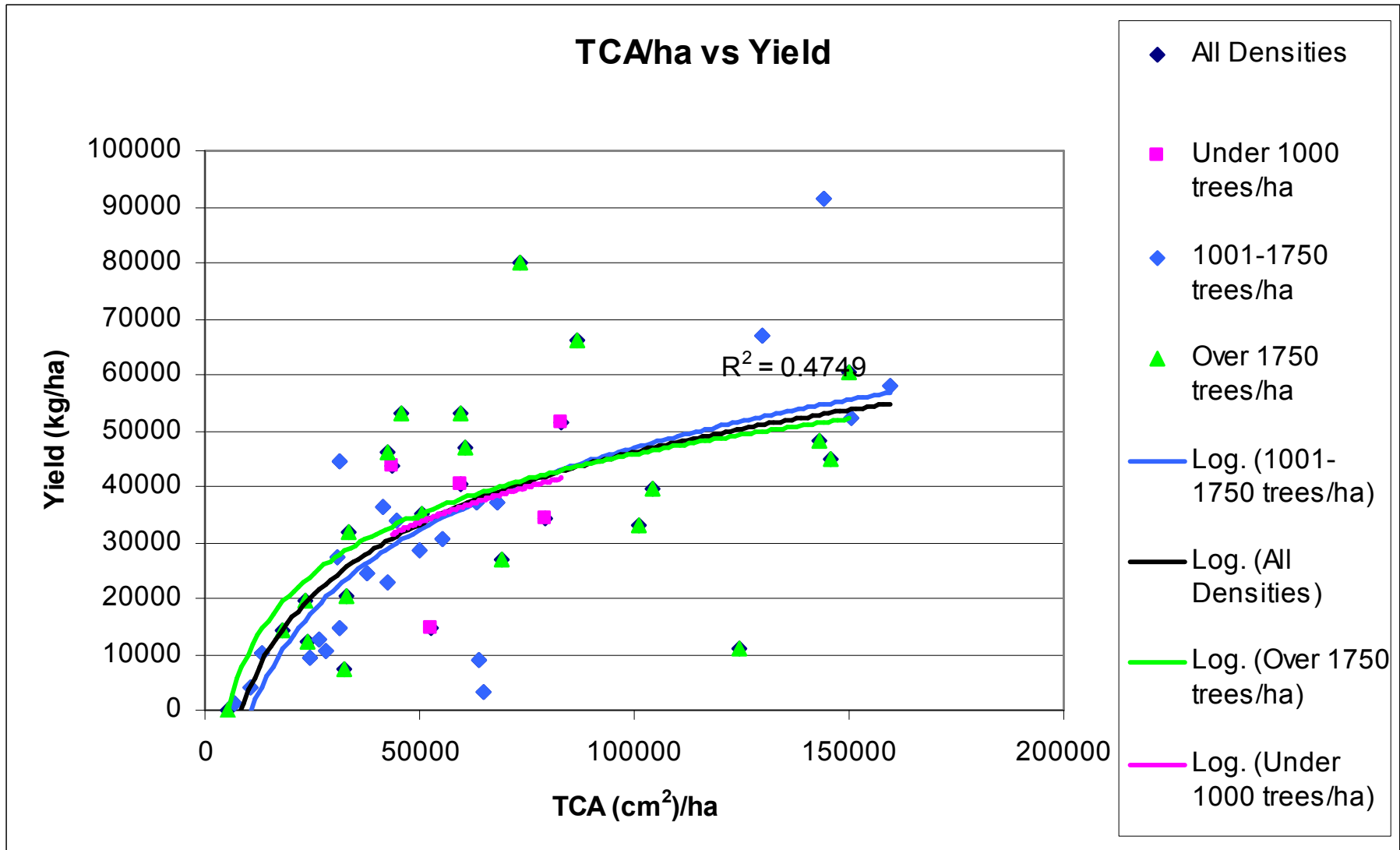


# Per Hectare Performance

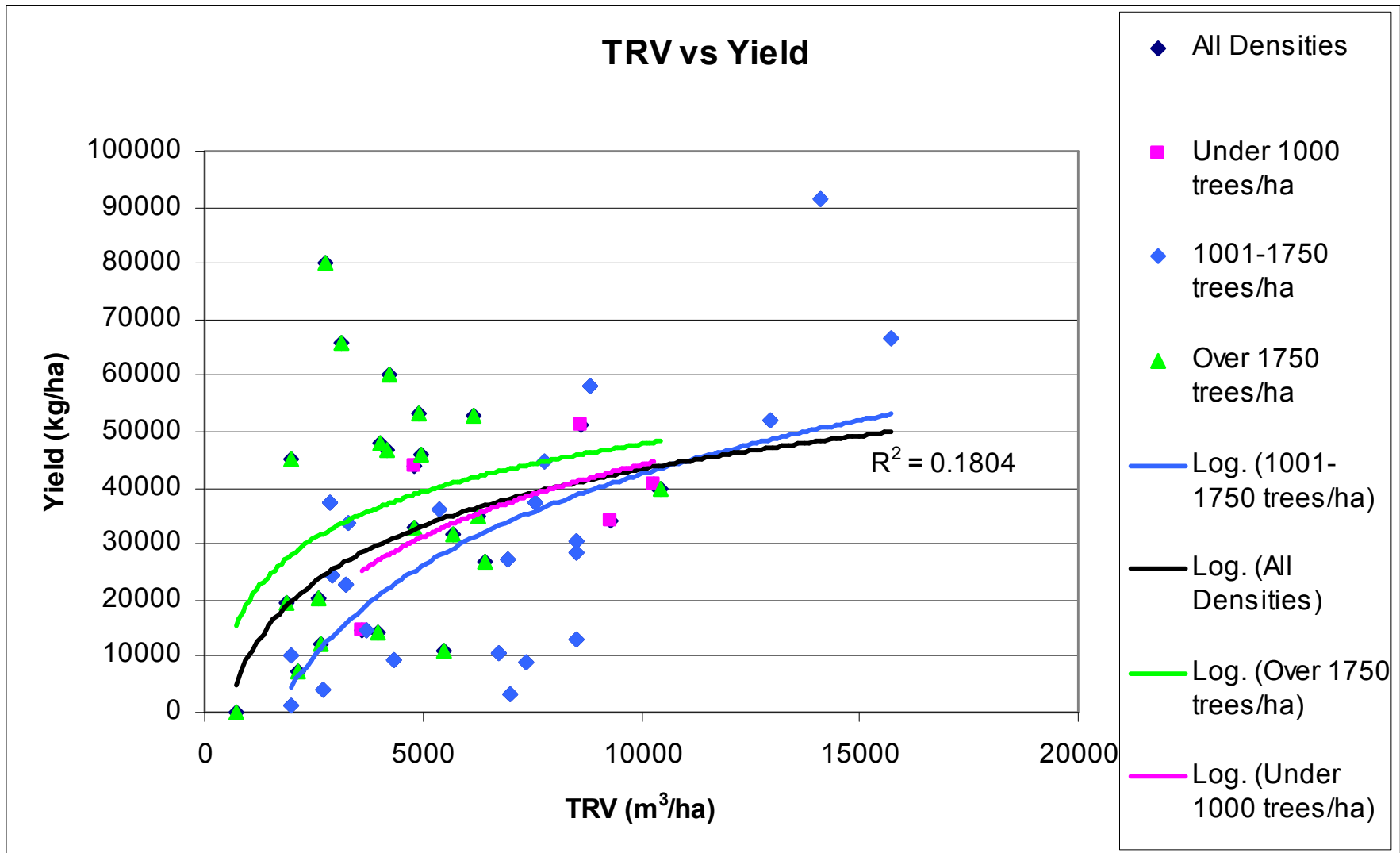




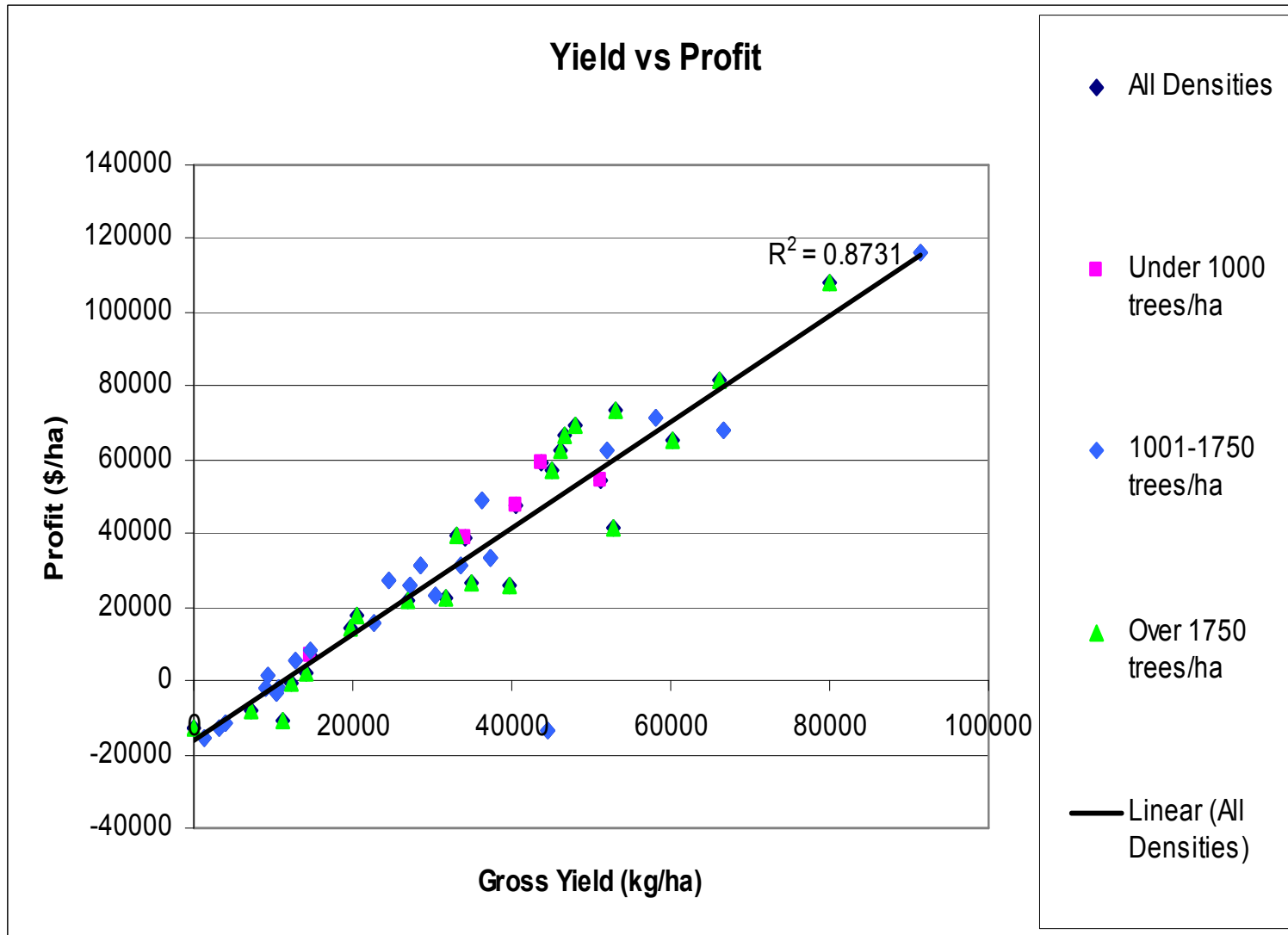
# Per Hectare Performance



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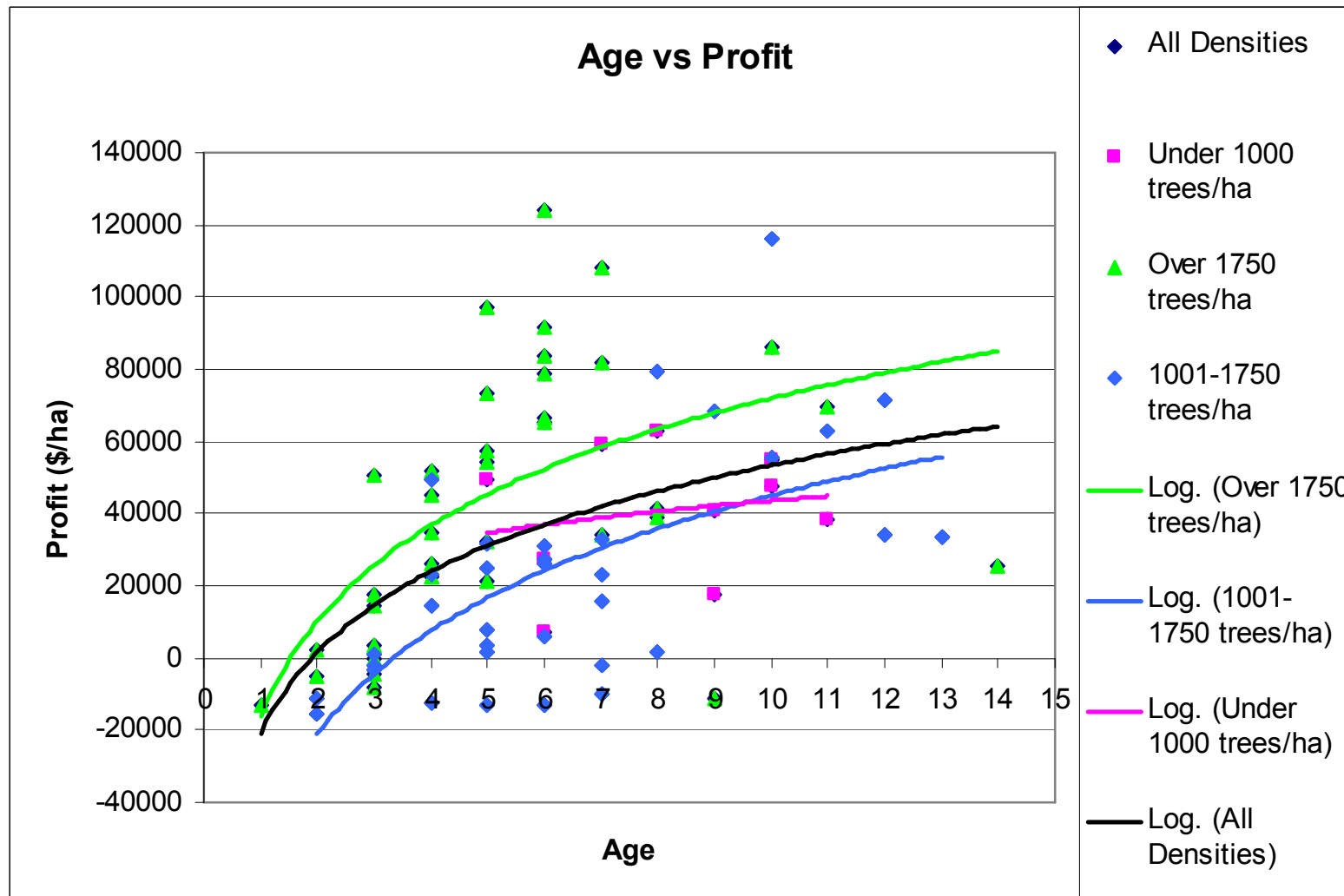
Standard returns:

Class 1  
\$2.00/kg

Class 2  
\$0.80/kg

Process  
\$0.10/kg

# Per Hectare Performance



# Orchard Case Studies

## QL10



Cripps Pink on MM106 at 2076 trees/ha.

Planted 2002 on fumigated replant land.

Specific crop load 2007  $1.05 \text{ kg/cm}^2 = 5.84 \text{ fruit/cm}^2$

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Fruit Size Count</b>	<b>Profit/ha (standard returns)</b>
3 <sup>rd</sup> leaf	40	80%	NA	\$50,511
4 <sup>th</sup> leaf	35	43%	NA	\$26,248
5 <sup>th</sup> leaf	53	85%	100	\$73,492

# Orchard Case Studies

## QL07



Cripps Pink on MM106 at 1333 trees/ha.

Planted 1997 on new orchard land.

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Fruit Size Count</b>	<b>Profit/ha (standard returns)</b>
8th leaf	68	80%	120	\$79,672
9th leaf	67	80%	113	\$68,216
10th leaf	91	80%	112	\$116,250



# Orchard Case Studies

## VC29



Cripps Pink on MM106 at 2514 trees/ha.

Planted 2000 on replant soil – no fumigation.

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Profit/ha (standard returns)</b>
5th leaf	84	60%	\$97,294
6th leaf	60	60%	\$65,178



# Orchard Case Studies

## SA02



Cripps Pink on M26 at 2963 trees/ha.

Planted 2000 on replant soil – no fumigation.

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Fruit Size Count</b>	<b>Profit/ha (standard returns)</b>
3 <sup>rd</sup> leaf	39	89%	NA	\$54484
4 <sup>th</sup> leaf	46	87%	NA	\$66775
5 <sup>th</sup> leaf	66	74%	110	\$81783



# Orchard Case Studies

## SA03



Cripps Pink on M26 at 2857 trees/ha.

Planted 2001 on replant soil – no fumigation.

2007 produced 51.8 tonnes/ha gross with 80% packout.

2008 crop expected to be 20% down  
– only 25 mm rainfall since November 2007

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# Orchard Case Studies

## SA11



Cripps Pink on M26 at 2667 trees/ha.

Planted 1995 on replant soil – no fumigation.

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Profit/ha (standard returns)</b>
10 <sup>th</sup> leaf	77	70%	\$85961
11 <sup>th</sup> leaf	48	91%	\$69646



# Orchard Case Studies

## SA19



Cripps Pink on M9 at 5000 trees/ha planted in a double row V-trellis system.

Planted 1999 on replant soil – replanted after one year with mustard crop as a bio-fumigant.

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Profit/ha (standard returns)</b>
6 <sup>th</sup> leaf	89	73%	\$124103



# Orchard Case Studies

## VC46



Cripps Pink on M26 at 2962 trees/ha.

Open tatura system with 4.5 m x 0.75 m spacing

Planted 2000 on replant soil fumigated with Chloropicrin.

<b>Year</b>	<b>Production (tonne/ha)</b>	<b>Grade 1 Packout</b>	<b>Fruit Size Count</b>	<b>Profit/ha (standard returns)</b>
7 <sup>th</sup> leaf	80	83%	105	\$108239



# Orchard Case Studies

## VC47



Gala on M26 at 3809 trees/ha.

Spindle trained with 3.5 m x 0.75 m spacing

Planted 2006 as feathered rods on new orchard land.



# Orchard Case Studies

## VC48



Cripps Pink on M26 at 1586 trees/ha.

Spindle trained with 4.2 m x 1.5 m spacing

Planted 2006 as rods on new orchard land.



# Orchard Case Studies

## September 2006



### VC46

2962 trees/ha

### VC47

3809 trees/ha

### VC48

1586 trees/ha



# Orchard Case Studies

## September 2006



**VC46**

2962 trees/ha

**VC47**

3809 trees/ha

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**VC48**

1586 trees/ha

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# Orchard Case Studies

## March 2007



### VC46

2962 trees/ha

### VC47

3809 trees/ha

### VC48

1586 trees/ha



# Orchard Case Studies

## March 2007



**VC46**

2962 trees/ha

**VC47**

3809 trees/ha



**VC48**

1586 trees/ha