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ERDF 'WATERR' PROJECT

IRRIGATION BUSINESS REVIEW FINDINGS

IRRIGATOR PERFORMANCE DATA: RASPBERRIES - SUBSTRATE



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IRRIGATION PRODUCTIVITY/ADDED VALUE

		2011	2012	2013
IRRIGATION WATER APPLIED				
Cubic Meters per hectare	Range	1,176 – 2,600	650 – 1,800	771 – 2,484
	Average	1,759	1184	1,585
YIELDS				
Tonnes per hectare	Range	10 – 16	11 – 20	11 – 14
	Average	12	15	12
PRODUCTIVITY: WATER USED PER TONNE				
Cubic meters per tonne	Range	123 – 166	43 - 142	73 – 224
	Average	142	82	109
ESTIMATED YIELD INCREASE DUE TO IRRIGATION				
Tonnes per hectare	Range	N/A	N/A	N/A
	Average %age of total yield	N/A	N/A	N/A
		100%	100%	100%
AVERAGE SELLING PRICE				
£ per tonne	Range	3,500 – 6,400	3,450 – 6,000	3,250 – 6,000
	Average	5,300	4,725	4,625
ESTIMATED PRICE PREMIUM DUE TO IRRIGATION				
£ per tonne	Range	N/A	N/A	N/A
	Average %age of Selling price	N/A	N/A	N/A



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IRRIGATION FINANCIAL RETURNS

		2011	2012	2013
GROSS PROCEEDS				
(Yield per hectare x Price per tonne)	Range	57,600 – 104,719	70,875 – 94,500	63,600 – 70,818
£ per hectare	Average	77,573	78,311	66,389
COST OF IRRIGATION				
£ per hectare	Range	840 – 5,014	1,008 – 3,017	840 – 4,819
	Average	2,939	2,025	2,616
IRRIGATION GROSS MARGIN				
(Gross Proceeds – Irrigation Cost)	Range	54,636 – 99,705	68,850 – 93,492	61,410 – 65,999
£ per hectare	Average	74,634	76,286	63,773
ESTIMATED IRRIGATION PRICE PREMIUM PER HECTARE				
Estimated £ per hectare	Range	N/A	N/A	N/A
	Average	N/A	N/A	N/A
ESTIMATED YIELD INCREASE VALUE PER HECTARE				
Estimated £ per hectare	Range	N/A	N/A	N/A
	Average	N/A	N/A	N/A
ESTIMATED NET FINANCIAL BENEFIT DUE TO IRRIGATION				
(= Irrigation Gross Margin)	Range	54,636 – 99,705	68,850 – 93,492	61,410 – 65,999
£ per hectare	Average	74,634	76,286	63,773
NET FINANCIAL BENEFIT AS PERCENTAGE OF PROCEEDS				
Percent		96%	97%	96%





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