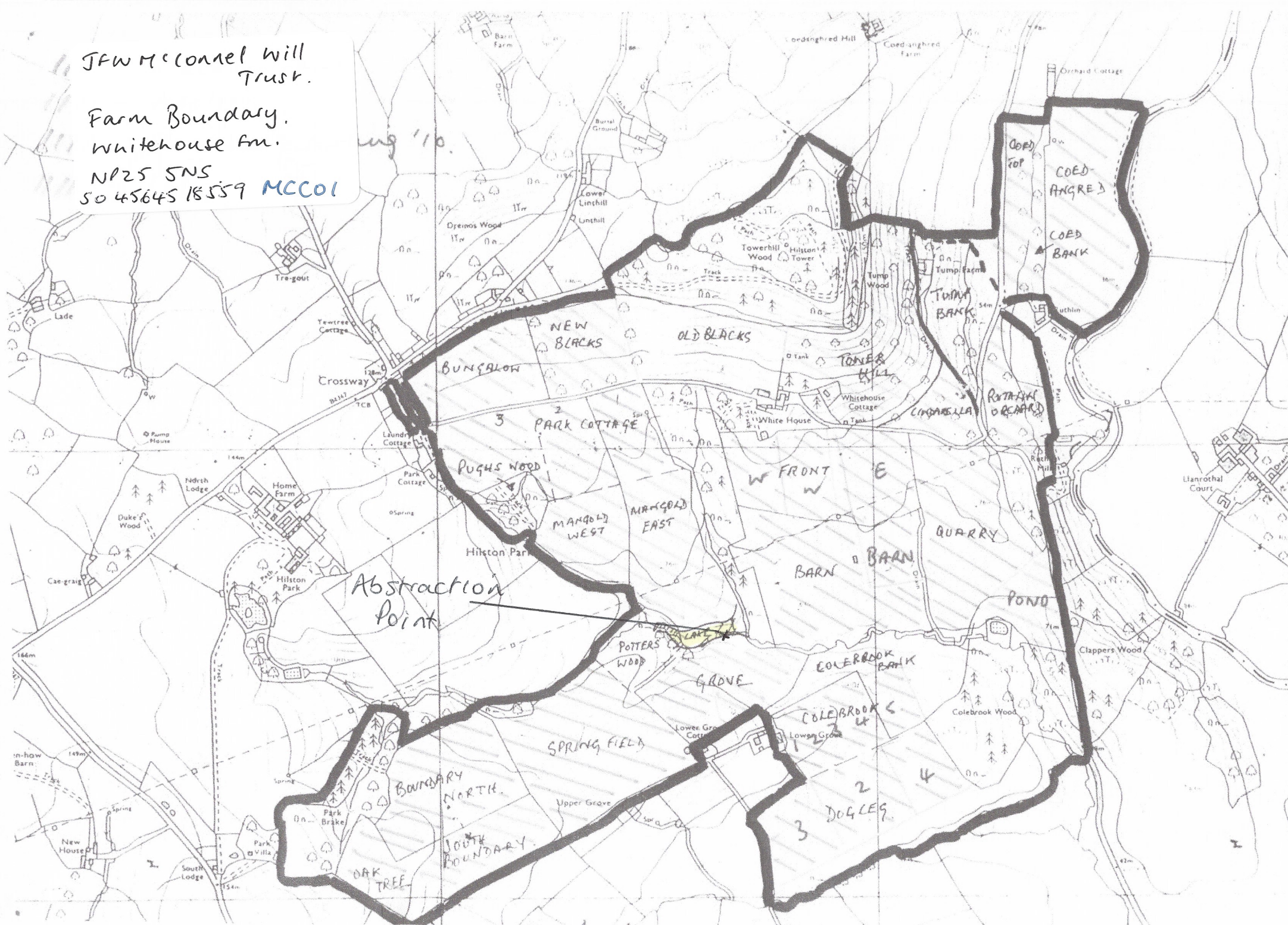


JFW McConnell Will  
Trust.

Farm Boundary.  
Whitehouse fm.

NP25 SNS  
50 45645 18559 MCCOI





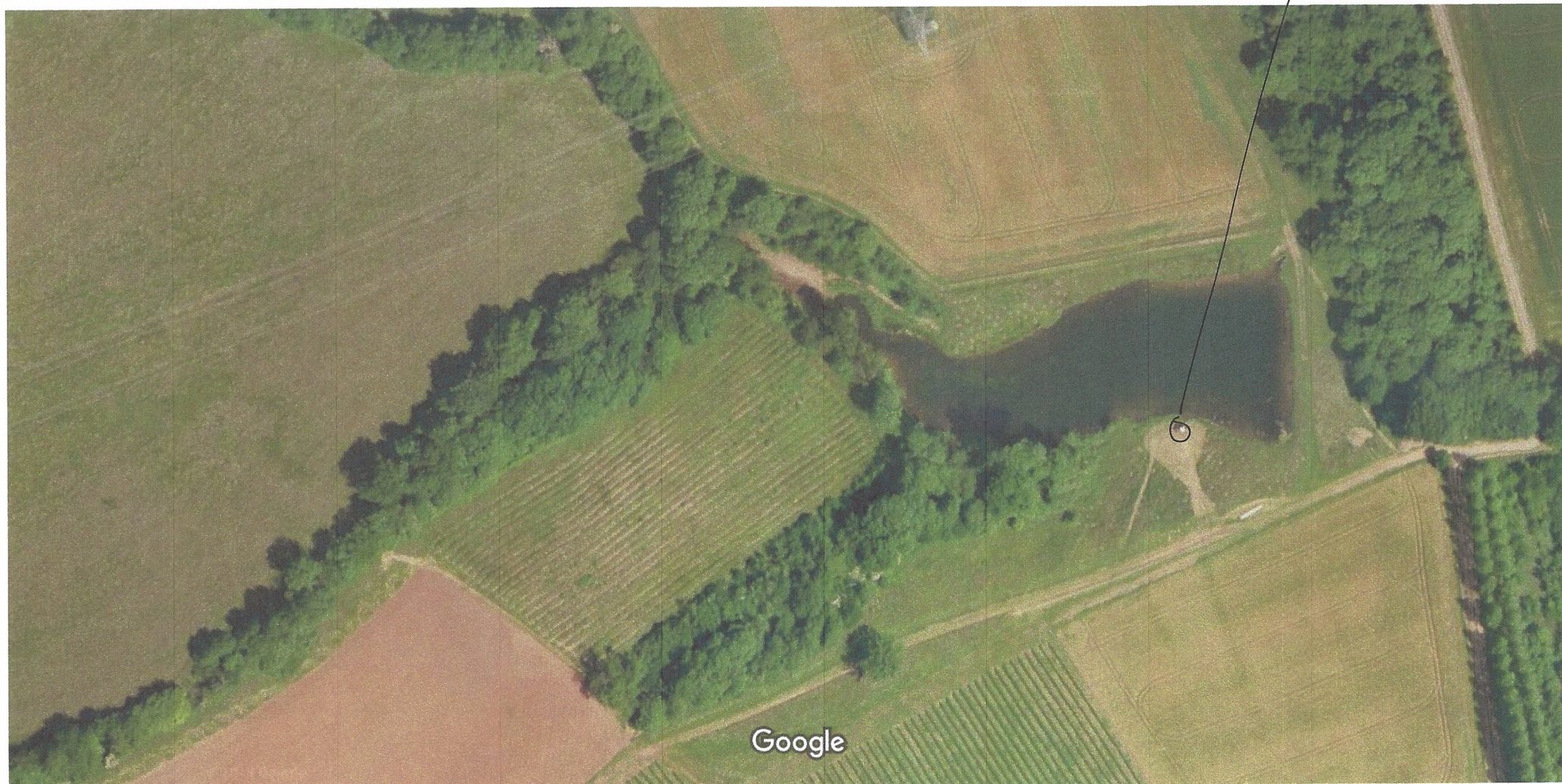
Google Maps

NP25 5NS

SO 45645 18559 - McConnel Farms, NP25 5NS

MCC 02

Abstrachon  
point



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Fiona Powell.

mcconnelfarms@gmail.com.

07815 151285.



McC03.



## JFW McConnell Will Trust

McConnell Farms

Whitehouse, Newcastle,

Monmouth NP25 5NS

Office Telephone: 01600 750 489

E-Mail: [mcconnelfarms@gmail.com](mailto:mcconnelfarms@gmail.com)

Natural Resources Wales  
Permit Receipt Centre  
Ty Cambria  
29 Newport Rd  
Cardiff  
CF24 0TP

20/12/2019

Dear Sir / Madam,

**Re: Water Abstraction Licence Application Authorisation Letter**

I am writing to grant permission for **Fiona Powell** to act on behalf of JFW McConnell Will Trust in relation to applying for the necessary abstraction licence for Whitehouse Farm.

Yours sincerely,

*Judith McConnell*

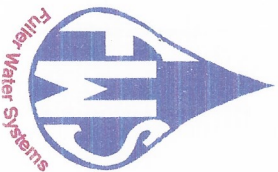
Mrs Judith McConnell  
McConnell Farms

MCCO4

Irrigation Records 2017

Date	Clock Reading	Hours Run	Diesel	Field
15 June 2017	1980	8.5		SF1 Grove
16 June 2017	2028	8		SF1 Grove
17 June 2017	2066	9		SF1 Grove
18 June 2017	2108	9		SF1 Grove
19 June 2017	2151	10		SF1 Grove
20 June 2017	2184	10.25		SF1 Grove
21 June 2017	2222	10		SF1 Grove
26 June 2017	2263	7		SF1 Grove
27 June 2017	2314	8.5		SF1 Grove
28 June 2017	2354	8		SF1 Grove
29 June 2017	2395	5		SF1 Grove
30 June 2017	2429	9		SF1 Grove
01 July 2017	2467	8		SF1 Grove
02 July 2017	2505	8		SF1 Grove
03 July 2017	2545	8		SF1 Grove
	565			





# FULLER WATER SYSTEMS



Cyder Works · Ixworth · Bury St. Edmunds · Suffolk · IP31 2HT  
Telephone 01359 231481 · Fax 01359 232345

Proposal No. 04Y1614  
J F W McConnell  
28 February 2004

## Drip Irrigation Trial on Blackcurrants

All equipment and materials are priced on a supply only basis.

1. 1 No. Rovatti T2-65 pto driven pump c/w either a 3-point linkage frame or 2 wheeled trolley and pto shaft.
2. 1 No. 4" flexible suction assembly c/o footvalve, 6 meters suction pipe, suction extension, priming pump, nuts, bolts, washers and gaskets.
3. 1 No. JSM 990A tractor engine monitoring kit c/o 8 channel JSM, temperature interface unit, temperature probe, fuel cut of solenoid valve, no-flow switch, hi-lo pressure gauge and gauge dampener.
4. 1 set of pump delivery fittings c/o delivery flange, 90° bend, gate valve, non return valve, 3" hose adaptor, 4 metres 3" HP layflat hose, Bauer type quick release coupling and all necessary nuts, bolts, gaskets and hose clamps.
5. 1 No. twin automatic sand filter assembly c/o 2 x 24" Ø sand filters, inlet, delivery and flush water manifolds, backflush control valves, pressure differential gauge and battery powered flush controller. The above comes mounted on a steel skid to facilitate movement with a forklift truck.
6. 1 No. 3" water meter c/w flexible hose for connection to the sand filter assembly and flanged adaptor for interconnection to you existing WR 4" overland pipes.
7. 1 No. 3m long rectangular steel road crossing pipe c/w 4" WR male and female ends.
8. 1 No. 2" screen filter c/w 2" flexible hose and adaptor to allow connection on to your existing WR 4" overland pipes, 2" isolating valves, 2" tee, 2" elbow unions, 2" steel riser pipes and adaptors to underground poly header pipes.
9. 50mm and 63mm Ø PE pipes to act as header mains to the 2 blocks of currants under trial, together with all necessary grommet take offs, lateral tail pipes (risers) and pipe connectors required to complete the installation as designed.
10. 6,800m (17 coils) of Ram pressure compensated drip line with 1.6 litre/hour emitters at 50 cm intervals, plus all necessary barbed connectors, barbed reducers, line ends and pressure check points.

Cost £ 10,917.00





MCC 06

## FULLER WATER SYSTEMS



Cyder Works · Ixworth · Bury St. Edmunds · Suffolk · IP31 2HT  
Telephone 01359 231481 · Fax 01359 232345

233 111

after 6.30pm.

Proposal No. 04Y1614

J F W McConnel

28 February 2004

### Drip Irrigation Trial on Blackcurrants

#### Overview

The farm grows approximately 110 acres of blackcurrants on hilly land.

A water storage reservoir has been constructed which is filled from surface water run off, land drains and drainage ditches.

The area under consideration for these trials lays to the south west of the reservoir on land that slopes quite steeply downwards from south to north.

Two areas are proposed for the trial covering mainly 2 varieties with a small area (4rows) of a third variety. Row spacings are at 3.0 metres

The reservoir will be used as the source of the irrigation water. A tractor driven pump will be situated on the bank in the south eastern corner.

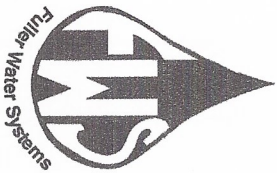
A sand filter unit will be sited adjacent to the pump. From the pump/filter water will be carried via the farm's existing 4" WR overland pipes to a second, basic screen filter, on a corner next to a bungalow. It is estimated that you will require approximately 360 metres of pipe (40x 9m lengths) for this. A rectangular steel pipe with 4" WR male and female ends will be provided to allow vehicles to pass freely along the farm track at the bottom end of the trial fields.

At the second filter position control valves will be fitted to allow one or both of the trial areas to be irrigated simultaneously.

From the filter assembly two black polyethylene (PE) pipes will be trenched in to and along the top end of the trial areas (please refer to enclosed plan). In line with each row of currants a connection will be made into the buried PE pipe using a simple grommet take off, from which a short length of plain 16mm Ø PE pipe will come to the surface adjacent to the beginning of each row.

Irrigation of the currant bushes will be carried out using an integral pressured compensated drip line called Ram, manufactured by Netafim, one of the world's leading companies in drip technology. The drip line will have emitters at 50 centimetre intervals, each with a flow of 1.6 litres per hour and will be laid on the surface close to the plant's base.





## FULLER WATER SYSTEMS



Cyder Works · Ixworth · Bury St. Edmunds · Suffolk · IP31 2HT  
Telephone 01359 231481 · Fax 01359 232345

The 2 areas outlined for this trial each cover an area of approximately 1 hectare, thus needing in the region of 3,330 metres of drip line each, creating a theoretical flow rate to each area of 10.6m<sup>3</sup>/hr.

The pump and filter specified within our proposal would allow both trial areas to run together if required. For the future it should be noted that the specified pump and filter would be capable of handling flow rates of up to 40m<sup>3</sup>/hr allowing up to 4 hectares to be irrigated at the same time.

Based on an irrigated strip of 1 metre, the precipitation rate will be in the order of 3.2mm/hr, thus taking approximately 8 hours to apply the equivalent of one inch.

Please note that in the unlikely event of the trial proving unsuccessful and ultimately being abandoned, all the equipment specified except for the PE pipes that will be buried would be re-saleable.



2017 . MCC 11.

Final Invoice Breakdown

J F W McConnel WM/432

**Values**

Total Crop (tonnes)	256.2
Sum of Foundation levy (£4/t)	-1024.8
Gross Total.	£183,183.00
Amount Invoiced at £600/T	£153,720.00
Amount remaining.	£29,463.00
QA and Brix adjustment (per tonne)	£0.00
Payment adjustment due to QA and Brix.	£0.00
Outstanding balance to be invoiced.	£28,438.20