

# MACCY BIOCHAR MEMBER BULLETIN

No. 10 - July 2020

Auspiced by the Macclesfield Community Association Inc.

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HELLO ALL.

Welcome to our 10th Member Bulletin.

This bulletin presents our financial report for the year ending 30 June 2020; an updated report on our biochar production to the end of July; Sales Milestones; Workshop Success Story; and Our Emissions Reduction Target.

## FINANCIAL REPORT

### MACCY BIOCHAR

#### PROFIT & LOSS (incl. GST on purchases)

1 July 2019 to 30 June 2020

INCOME	\$
Membership fees	520.00
Jobs	20.00
Strawberry Fete	75.00
Donations	350.00
Sales	600.00
Drop-off fees	10.00
<b>TOTAL INCOME</b>	<b>1,575.00</b>
<b>COST OF GOODS SOLD</b>	
Strawberry Fete	29.13
Shady Grove road site	233.73
Bulk bags	56.00
<b>TOTAL COGSS</b>	<b>318.86</b>
<b>GROSS PROFIT</b>	<b>1,256.14</b>
<b>EXPENSES</b>	
Analysis	379.50
Plant & equipment	1,925.00
Website	231.12
<b>TOTAL EXPENSES</b>	<b>2,535.62</b>
<b>OPERATING PROFIT</b>	<b>-1,279.48</b>
<b>OTHER INCOME</b>	
Council Grant	2,000.00
<b>NET PROFIT/LOSS</b>	<b>720.52</b>

### MACCY BIOCHAR

#### BALANCE SHEET at 30 June 2020

#### ASSETS

CURRENT ASSETS	\$
Cheque Account	320.52
Cash Management	0
Debtors	400
<b>TOTAL CURRENT ASSETS</b>	<b>720.52</b>
<b>NON-CURRENT ASSETS</b>	
Inventory	2400
Plant & Equipment	2088.73
At Cost	
(Accum Depreciation)	0
Incorporation Exp	0
<b>TOTAL NON-CURRENT ASSETS</b>	<b>4488.73</b>
<b>TOTAL ASSETS</b>	<b>5209.25</b>
<b>LIABILITIES</b>	
<b>CURRENT LIABILITIES</b>	
Creditors	0
<b>TOTAL CURRENT LIABILITIES</b>	<b>0</b>
<b>NON-CURRENT LIABILITIES</b>	0
Contractors	0
<b>TOTAL LIABILITIES</b>	<b>0</b>
<b>NET ASSETS</b>	<b>5209.25</b>



MOUNT BARKER  
DISTRICT COUNCIL

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## BIOCHAR PRODUCTION

MACCYBIOCHAR SCOREBOARD 31/07/2020

YEAR	2019 *	2020**	TOTAL	Units
BIOCHAR PRODUCED	1720	8153	9873	Litres
CARBON CAPTURED	222	1055	1277	Kg
NET CO2 CAPTURED	0.775	3.862	4.637	Tonnes
TOTAL MWHR OFFSET	1.520	7.572	9.092	MWHR

\* Re-calculated based on 3rd party biochar analysis dated 19/4/20

\*\* Includes 525L from member households.

We have now completed the first half of the 2020 season and have made nearly 10,000 litres of biochar since starting this venture. This represents the capture of nearly 5 tonnes of CO2.

The amount of CO2 we believe we have captured is typically produced by using 2000 litres of petrol or a South Australian fossil-fuelled power station generating 9000 kWhr of electricity.

Any way you look at it that's a lot of gas!

With the 2<sup>nd</sup> half of the season now ahead of us we are slightly behind our target of 30,000 litres. However plans are afoot to double our capacity within another month so hopefully we will catch up yet.

Remember that members may borrow the small kilns to make their own biochar for home use subject to being trained in the proper use of the kiln and agreeing to allocate their production totals to Maccy Biochar.

## SALES MILESTONES

### Enriched biochar

Sales of our enriched biochar are going well with 10 bags being sold in its first month. Currently only available from Godings Farm Supplies in Macclesfield, people are coming from far and wide! Good news travels fast. And at \$18 per 15L bag this really is good value.



### Bulk Bags

We have now sold 5 bulk bags of our raw quenched biochar at \$400 per bag. Local Councils have responded enthusiastically and are using our biochar in their winter planting programs.



Here is the first bag being despatched.



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## BLACKWOOD HIGH SCHOOL

Steve Brown from Blackwood High School visited our site recently to acquaint himself with the methods we use to make biochar in relation to their Year 10 Scientific Studies course. His students will consider the various attributes of biochar and conduct trials to measure the effects of biochar in the soil.

## CITTASLOW GOOLWA WORKSHOP

On Saturday 25 July Maccy Biochar presented a workshop to the Cittaslow Goolwa group on “How to make biochar”. The weather was perfect and the event was attended by some 20 or more members. We were well rewarded for our efforts financially and also socially through meeting many other like-minded people and gaining some new members. We are looking forward to further similar workshops later in the year.

## HOW MUCH BIOCHAR DO WE NEED TO MAKE?

**How much biochar do we need to make to make a useful contribution to our community emissions reduction target of 5% on 2019 emissions for each of the next 10 years?**

How much of this 5% reduction per annum can we realistically aim to achieve using biochar? As opposed to using more renewable energy (eg. solar panels, wind turbines); planting more trees; improving energy efficiency; economizing; eking; etc?

What if we aim for say 1%? (i.e. 20% of the target). How much biochar would that take?

SA Power Networks recently quoted a figure of 6000kWhr per year for residential customers suggesting that this figure is typical.

Based on our current production data we have offset about 1.5 typical residential customer’s annual electricity emissions so far. So by the end of this season we can expect to have offset 3 typical households. **As production capacity increases can we aim for 10 households?**

## NEW MEMBERS

We welcome 3 new members this month: **Sarah Vinter** from Blewitt Springs, and **Joel Shayer** and **Di Hogg** from Hayborough. Thank you for your support!

## WOOD COLLECTION

Many thanks to all those who have helped and are continuing to help with wood collection.

Please spread the word that all Macclesfield residents, including those on the outskirts with Macclesfield PO Box numbers may deliver their dry waste wood and tree litter to our Shady grove road site at no cost.

## REGIONAL BIOCHAR NEWS

### ANZ BIOCHAR INITIATIVE

The 2<sup>nd</sup> ANZ Biochar Study Tour & 4<sup>th</sup> Conference (ANZBC20) was conducted via the web in July. A full copy of recordings (\$69AUD) OR (\$40AUD) for either event can be purchased @ <https://anzbc.org.au/registration/>. The presentations are listed on each private recording link description or you can refer to the full programmes @ <https://anzbc.org.au/studytour/> & <https://anzbc.org.au/conference/> respectively.

### ANZBI becomes ANZBIG

**ANZBIG is the new acronym for the ANZ Biochar Industry Group.** ANZBI will keep <https://www.anzbi.org/> & <https://anzbc.org.au/> live for a period of time and redirect stakeholders to the new site @ <https://anzbig.org/> where they have their resources page to find the current draft code of practice & standards. Future events will most likely be listed as a page within this new website.

### COMMITTEE MEMBERS at present are:

**Brian Lewis** – Chairman. **Kelvin Williams** – Site coordinator; team leader. **Geoff Brockhouse** – Wood collection Team Leader. **Kath Thurmer** – Community Liaison. **John Agnew** – Schools Liaison. **Greg Marlu** – Technical advisor. **Stephen Heading** – Technical advisor. **Meegan Semple** – Viticulture liaison.

**NB:** All members are welcome to attend meetings; they are held on the 2<sup>nd</sup> Monday of the month starting at 7:30pm in the Institute SuperRoom.

**All enquiries to Brian Lewis Mob: 041 148 0935.**

# **MACCY BIOCHAR MEMBER BULLETIN**

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*Making Maccy Carbon Neutral  
Making Biochar for carbon capture and soil improvement*