COMMUNITY BIOCHAR GROUP

JOB SUMMARY - ……….   Prepared by ………………………………….. Date………………………………….

JOB NO.	DATE	Job Type	Volunteer Hours	CO2 EMITTED (kg)	BIOCHAR VOL (L)	CARBON CAPTURED (kg)	NET CO2 REMOVED (kg)	KWHR OFFSET	Location	Product Ser. No.	Comment
Eg	12/05/2022	Production	20	5.00	400	63.50	227.42	0	Uraidla	001	
						0.00		0			
						0.00		0			
						0.00		0			
						0.00		0			
								0			
						0.00		0			
						0.00		0			
						0.00		0			
						0.00		0			
						0.00		0			
						0.00		0			
						0.00		0			
						0.00		0			
		TOTALS	20	5.00	400	63.50	227.42	529			
Member contributions											
				0		0.00	0.00	0			
				0		0.00	0.00	0			
Member totals			0	0	0	0.00	0.00	0			
GROUP TOTALS			20.00	5.00	400	63.50	227.42	529			
JOB NO.	DATE	Job Type	Volunteer Hours	CO2 EMITTED (kg)	BIOCHAR VOL (L)	CARBON CAPTURED (kg)	NET CO2 REMOVED (kg)	KWHR OFFSET	Location	Product Ser. No.	Comment

NOTES:

1. CO2 EMITTED is calculated from an estimate of litres of petrol used by volunteers driving to and from the job based on type of vehicle and distance

from home; and other petrol consumption such as water pump. The emission values are based on 2.2kgCO2/litre petrol.

2. BIOCHAR VOLUME is calculated based on number of bins of known volume needed to unpack a kiln.

3. CARBON CAPTURED is calculated from BIOCHAR VOL; % carbon content (eg 84%); and biochar dry bulk density (eg 189kg/m³) as follows:

   CARBON CAPTURED (kg) = BIOCHAR VOL. x BIOCHAR DRY BULK DENSITY x % CARBON CONTENT

4. NET CO2 CAPTURED is calculated based on CO2 being 3.66 times heavier than Carbon; less CO2 emitted by the job as follows:

   NET CO2 REMOVED (kg) = (CARBON CAPTURED X 3.66) - CO2 EMITTED (kg)

5. KWHR OFFSET is calculated based on the current value in SA of electricity generation emissions factor: 0.43 kgCO2/KWHr consumed.

SUMMARY:

1. Events:

Total number of job events =

Number of production events =

Number of wood collection events =

Number of other events =

Average number of production events per week (May to November) =

2. Volunteer Hours:

Total number of volunteer hours =

Number of volunteer hours spent on production =

Number of volunteer hours spent on wood collection =

Number of volunteer hours spent on other tasks =

3. CO2 emissions:

Total CO2 emissions from all jobs = …….. kg

CO2 emissions from production = ……..kg

CO2 emissions from wood collections = ……….kg

4. Biochar production:

Total biochar production = …………………. litres

Job production = …………….. litres

Member's private production = ………………….. litres

5. Net CO2 removed:

Total net CO2 removed = ……………. tonnes

………….. kgCO2 was removed by ………………….. litres of biochar

i.e. 1 kg CO2 was removed for every ……………….litres of biochar

i.e. Every 100 litres of biochar removed about ……. kg CO2.

i.e. Every 1000 litres of biochar removed about ……….. kg CO2.