Submission 040 Date received: 14/04/2011



Dear Committee Secretriat,

Look at it like this?

Carbon Pool Size:- Soils = 1580 Gt; Oceans = 39,000 Gt

Carbon Emitter Size:- Soils = 158,000 Gt; Oceans = 0

Carbon Farm converted Soils of 10,000 ha in 2010 by growing Wheat with out applied Nitrogen, from emitter to Carbon Pool @ zero cost.

This is the starting point! see . . http://www.carbonfarm.com.au/main.asp?_=Carbon%20Farm%202010

Philip Uebergang







CarbonFARM - HUMUS CarbonFARM Soil system, producing Soil Fertility that . .

- is Most Profitable
- is Highest Yield
- has Highest Carbon **Production**
- has Lowest Inputs
- Prevented 82 Tonnes/Ha **GHG Emissions**

wheat crop based on the CarbonFARM Soil system

CarbonFARM

has it's own . . .

- Soil Sampling System
- Soil Analysis System
- Cabon Measuring System
- Trust Account Security System

CarbonFARM

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	Calcuim to Magr	nesiun	3.5	833										
	Potassium to Mag	Inesiu	m 1				efinition: Soil fer measured by the nount of humus a			Calcuim to Mag	nesium	3.307	7	
	Total Soluble Salts	s (TSS	356.	4 14	ac /l-	and mid	d type of benefic	lanc ial	ce	Potassium to Mag	nesium	1.3077		Definition: Soil feri is measured by the amount of humus a
	Total C.E.C		7		gs/ha eq/100	con	sent in a soil, in a s	il		Total Soluble Salts	s (TSS)	267.3	kgs/ha	and type of benefic micro-organisms
C	C.E.C. Goal		12			Clas	sification Code			Total C.E.C		8	meq/10	nutrients.
					4/ 100g	A = 2	Il Cation Excha acity 20 & >20 100gm	nge	C	C.E.C. Goal]	.3	meq/100	Classification Code Total Cation Exchai
Lai	bile Pool	6	.9	tonn		B = 1 meq/:	7.5 to <20 100gm 5 to <17.5							A = 20 & >20 meq/100gm B = 17.5 to <20
Ine	rt Pool	20)		r es/ha) = 12 neq/1 = 10	2.5 to <15 00gm to <12.5		Lai	bile Pool	8.	to	nnes/ha	meq/100gm C = 15 to <17.5 meq/100gm D = 12.5 to <15
Slow	v Pool	0	1	tonnes	F m	neq/1(= 7.5 ea/10	00gm i to < 10		Ine	rt Pool	20	tor		E = 10 to <12.5 meg/100gm
「otal	Carbon	26			H me	eq/10 = 2.5 ea/10	0gm to < 5		Slow	v Pool	0	toni	nes/ha	F = 7.5 to <10 meq/100gm G = 5 to < 7.5
eque	estered Carbon	0		nnes/	ha Ca	tion F % Va epted	Fertility Ratio:	Т	otal	Carbon	28.9	tonn	n	meq/100gm H = 2.5 to < 5 neq/100gm Cation Fertility Ratio:
iddo	ck Rating	G 5			3 = 3 = 2 = 1 =	Ca 58 Mg 10 K 4%	20% on K) 3% to 78% 0% to 14% to 6%			estered Carbon	0	tonne	es/ha A	Coccepted Range on Ca, g, and 20% on K)
	AL NUTRIEN				1 = Tota	AI < 30	%	Pa	iddo	ck Rating	F 5		2 :	= Mg 10% to 14% = K 4% to 6% = Na < 3% = AI < 3%

Minimum	101	KIEN	1	EXC	ì	IANGE			
200 kgs/	/ha	Α		В		Applied/Remove	ed	Exchange	
Ca		860 kg/ha		960 kg/ha		1 kg/ha			
Mg		144 kg/ha		156				99 kg/ha	
K		468		kg/ha 663) kg/ha	-	12 kg/ha	
Na Al		kg/ha 16.1		9.2				82.5 kg/ha	
		0.01		g/ha	0	kg/ha	-]	-16.1 kg/ha	
	k	kg/ha 0 kg/ha 0 kg/ha					-1	.01 kg/ha	
		Total [HUMIFICATION] 276						76.39	
= 1.01 tonnes Carbon-e									
				೨೮	ш	LIASTORO			
		+ 8	31	L. & J	t٢	nnoc C-	ba	n-e	
	=								
			_	02.0	2	tonnes C	a	rbon-e	

WATER HOLDING CAPACITY

	Λ	TO CAPA	CITY	ΙΥ			
	A	В	Change	MAA			
Total C.E.C.	7 meq/100g	8 meg/100		14114			
Total C.E.C.		cq/100g	1 meq/100g	40 mm			

BACTERIAL NITROGEN

			CLIV		
	Α	В	Applied/Pom.		
Nitrate Nitrogen	27	7.6	Applied/Removed	Created	
mer ogen	kg/ha	kg/ha	52.5 kg/ha	33.1kg/ha	
				3/ Hu	

pH Farming
Soil System ®®