

FACTS2, [CO2] 1998 season (144 days)

		May				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ring	1.2	537±78	403±82	472±108	193320	360±60	455±90	408±90	129600	525±82	477±87	501±88	195300
	1.4	531±89	408±78	469±104	191160	550±60	436±91	494±96	198000	531±87	450±88	490±96	197532
	2.2	515±94	418±82	467±101	185400	557±45	451±94	504±91	200520	556±52	494±119	525±97	206832
	2.4	517±95	417±82	467±102	186120	556±49	459±95	508±90	200160	550±64	489±113	519±97	204600
	3.2	511±100	423±83	468±102	183960	560±47	459±97	509±91	201600	558±61	488±110	522±95	207576
	3.4	504±101	412±82	459±103	181440	557±50	450±97	504±94	200520	556±56	486±113	521±96	206832
	Avg all	519	414	467	186900	523	452	488	188400	546	481	513	203112

		Aug				Sept.				Oct. 1. - 13.			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ring	1.2	536±77	435±74	485±91	199392	544±83	423±119	483±119	195840	461±101	383±31	423±85	71916
	1.4	548±65	410±73	479±98	203856	545±66	381±39	462±98	196200	455±100	375±40	415±83	70920
	2.2	550±61	437±93	493±97	204600	551±59	403±68	477±98	198360	454±109	374±40	414±91	70824
	2.4	545±70	435±86	490±96	202740	544±70	389±55	471±96	195840	458±106	381±39	420±89	71448
	3.2	552±75	426±89	489±104	205344	538±86	402±70	470±104	193680	449±120	364±42	407±99	70044
	3.4	549±64	435±89	492±97	204228	550±61	401±64	475±98	198000	455±98	375±39	415±90	70920
	Avg all	547	430	488	203360	545	401	473	196320	455	375	416	71012

		1998 Season			
		Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ring	1.2	497	434	466	984060
	1.4	534	414	474	1057320
	2.2	539	435	487	1067220
	2.4	536	435	485	1061280
	3.2	536	434	485	1061280
	3.4	536	432	484	1061280
	Avg all	530	431	480	1048740

Ring 1.2 off in June

ambient [CO2] was not monitored this season

FACTS2, Harshaw, WI, [CO2] 1999 season (144 days)

		May 10. - 30.				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ambient North fence 3.1						360±36	386±38	371±42	129600	345±16	396±52	368±47	128340
						354±32	380±37	366±49	127440	337±16	417±93	372±77	125364
Ring	1.2	555±54	426±87	491±97	146520	559±59	447±101	502±100	201240	551±73	441±101	498±109	204972
	1.4	556±44	435±76	495±87	146784	559±47	452±84	505±87	201240	550±62	442±84	497±91	204600
	2.2	554±51	427±87	491±96	146256	559±52	447±94	502±95	201240	542±83	438±109	491±109	201624
	2.4	536±79	424±85	480±99	141504	559±58	455±100	507±97	201240	550±75	454±113	503±107	204600
	3.2	554±58	431±93	493±99	146256	559±67	451±103	505±102	201240	550±88	446±115	500±115	204600
	3.4	548±65	433±96	491±100	144672	560±56	457±106	508±100	201600	551±78	462±133	508±117	204972
	Avg all	551	429	490	145332	559	452	505	201300	549	447	500	204228

		Aug				Sept.				1999 Season			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ambient North fence 3.1		345±22	405±51	373±48	128340	350±15	380±26	364±26	126000	350	392	369	512280
		337±23	426±85	378±77	125364	344±18	384±42	364±39	123840	343	401	370	502008
Ring	1.2	546±80	413±69	478±100	203112	539±78	383±33	461±99	194040	550	422	486	949884
	1.4	540±76	411±60	476±94	200880	532±79	389±25	461±93	191520	547	426	487	945024
	2.2	544±77	408±73	476±101	202368	537±77	376±35	457±100	193320	547	419	483	944808
	2.4	545±81	416±79	481±103	202740	538±81	378±37	458±102	193680	546	425	486	943764
	3.2	545±93	408±76	476±109	202740	539±90	374±37	457±107	194040	549	422	486	948876
	3.4	541±85	425±92	483±106	201252	538±82	386±48	462±101	193680	548	433	490	946176
	Avg all	544	414	478	202182	537	381	459	193380	548	425	486	946422

Remarks: Ambient north switched from control ring 1.1 to north fence June 22.
Ambient [CO2] monitoring started in June

FACTS-2, [CO2] season 2000 (145 days)

		May 15.-31.				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ambient North	3.1	357±7	384±26	370±23	68544	348±10	384±40	366±34	125280	341±12	385±46	363±40	126852
		354±7	386±32	370±28	67968	344±10	388±50	366±42	123840	337±12	391±58	364±50	135408
Ring	1.2	550±45	372±17	452±95	105600	549±44	376±31	455±96	197640	547±56	373±43	454±101	203484
	1.4	546±48	371±15	454±95	105024	548±47	375±26	452±95	197280	547±53	375±38	454±98	203484
	2.2	548±46	378±18	456±92	105216	549±46	375±33	456±97	197640	548±50	367±45	454±103	203856
	2.4	548±47	377±20	444±92	105216	549±45	380±35	450±95	197640	549±51	382±49	457±98	204228
	3.2	548±49	375±20	459±95	105216	550±47	377±37	461±97	198000	550±54	375±49	460±102	204600
	3.4	539±56	376±22	439±91	103488	544±53	379±37	451±95	195840	543±58	378±48	453±98	201996
	Avg all	547±49	375±23	451±94	105024	548±47	376±35	454±96	197280	547±54	375±46	455±100	203484

		August				September				Season 2000			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Ambient North	3.1	343±18	391±48	366±43	127596	348±13	368±25	358±22	125280	347.4	382.4	364.6	573552
		343±20	402±66	372±57	127596	350±13	372±29	361±25	126000	345.6	387.8	366.6	580812
Ring	1.2	553±41	388±45	471±93	205716	550±36	369±22	450±95	198000	549.8	375.6	456.4	910440
	1.4	552±48	381±40	465±96	205344	543±42	360±22	439±96	195480	547.2	372.4	452.8	906612
	2.2	551±43	379±46	465±97	204972	544±39	359±22	441±97	195840	548	371.6	454.4	907524
	2.4	549±51	388±48	467±95	204229	550±37	367±22	442±95	198000	549	378.8	452	909313
	3.2	553±46	383±48	459±98	205716	548±44	361±21	444±99	197280	549.8	374.2	456.6	910812
	3.4	547±50	387±51	465±94	203484	534±53	359±22	433±95	192240	541.4	375.8	448.2	897048
	Avg all	551±47	384±47	465±96	204972	545±43	363±22	442±96	196200	547.6	374.6	453.4	906960

FACTS-2, [CO2] season 2001, 146 days

		May 11.-31.				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	356±9	383±29	370±26	89712	352±14	388±45	370±38	126720	361±19	407±50	384±44	134292
	3.1	357±9	388±40	373±33	89964	351±13	393±54	371±44	126360	353±16	389±47	370±38	131316
Ring	1.2	534±81	390±56	462±100	134568	532±84	393±62	463±102	191520	546±75	397±61	473±101	203112
	1.4	528±90	386±48	457±101	133056	525±92	384±66	455±104	189000	542±82	391±58	468±104	201624
	2.2	540±72	395±55	468±97	136080	535±78	400±64	469±98	192600	535±86	395±68	466±103	199020
	2.4	519±89	390±45	454±96	130788	520±93	398±64	461±101	187200	544±80	400±63	473±102	202368
	3.2	541±83	391±54	466±103	136332	538±86	393±67	466±106	193680	544±91	389±66	468±102	202368
	3.4	536±82	392±53	462±99	135072	532±84	396±68	465±102	191520	540±85	394±64	468±105	200880
	Avg all	532±84	391±52	462±93	134064	530±87	394±64	463±97	190800	542±83	394±63	469±92	201624

		August				September				Season 2001			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	345±17	393±49	369±44	128340	365±15	397±31	381±29	131400	355.8	393.6	374.8	610464
	3.1	359±2	356±3	356±3	133548	357±12	385±31	371±27	128520	355.4	382.2	368.2	609708
Ring	1.2	530±94	391±55	460±103	197160	512±104	378±50	445±105	184320	530.8	389.8	460.6	910680
	1.4	528±97	392±48	460±103	196416	499±105	382±31	440±97	179640	524.4	387	456	899736
	2.2	527±95	380±57	454±107	196044	505±104	366±34	435±104	181800	528.4	387.2	458.4	905544
	2.4	529±92	394±59	462±103	196788	508±100	376±39	441±100	182880	524	391.6	458.2	900024
	3.2	520±120	384±59	452±116	193440	509±113	368±29	438±108	183240	530.4	385	458	909060
	3.4	526±96	386±62	455±107	195672	494±106	368±29	430±100	177840	525.6	387.2	456	900984
	Avg all	527±100	388±57	457±98	196044	505±105	373±97	438±95	181800	527.2	388	457.8	904332

Fire Aug. 1., rebuilt Sept. 20.

FACTS-2, [CO2] season 2002, 138 days

		June				July				August			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	362±14	394±34	378±31	130320	353±12	402±44	378±40	131316	352±22	408±55	380±50	130944
	3.1	366±15	403±45	384±39	131760	352±9	389±40	370±29	130944	353±23	408±55	380±50	131316
Ring	1.2	554±70	417±72	485±100	199440	554±57	419±71	487±97	206088	551±68	407±60	480±96	204972
	1.4	529±97	411±70	469±103	190440	547±67	419±72	483±102	203484	548±79	406±56	477±99	203856
	2.2	552±65	416±76	483±98	198720	551±69	424±73	488±95	204972	550±62	417±57	484±89	204600
	2.4	551±66	419±75	484±97	198360	545±83	423±77	484±101	202740	550±69	410±66	480±98	204600
	3.2	554±84	417±77	485±106	199440	550±97	416±80	483±112	204600	533±100	403±61	468±105	198276
	3.4	553±66	418±76	485±98	199080	548±80	414±85	481±106	203856	552±62	410±67	482±98	205344
	Avg all	549±76	416±75	482±101	197640	549±81	419±77	484±102	204228	548±75	409±62	479±98	203856

		September				October 11 days				Season 2002			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	363±18	398±38	380±35	130680	370±9	376±13	373±11	48840	360	395.6	377.8	391944
	3.1	363±18	398±37	381±35	130680	370±9	376±12	373±11	48840	360.8	394.8	377.6	393756
Ring	1.2	543±72	394±24	468±91	195480	505±90	378±11	442±90	66660	541.4	403	472.4	805980
	1.4	533±87	398±22	465±93	191880	500±94	384±10	442±83	66000	531.4	403.6	467.2	789660
	2.2	539±67	409±26	474±82	194040	503±86	383±11	443±86	66396	539	409.8	474.4	802332
	2.4	535±81	393±29	464±94	192600	503±86	380±12	442±87	66396	536.8	405	470.8	798300
	3.2	538±90	388±26	463±100	193680	510±97	377±11	444±96	67320	537	400.2	468.6	795996
	3.4	536±81	391±32	464±95	192960	503±90	373±12	439±91	66396	538.4	401.2	470.2	801240
	Avg all	537±80	395±28	466±93	193320	504±89	379±12	442±89	66528	537.4	403.6	470.6	799044

FACTS-2, [CO2] season 2003, 145 days

		May 11 days				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	378±9	395±22	381±22	47407	359±9	398±31	378±30	127479	361±15	411±46	386±43	132860
	3.1	369±10	406±36	387±32	47639	359±11	409±48	384±43	127946	357±16	422±70	389±60	131215
Ring	1.2	553±62	414±64	485±93	71196	557±71	421±72	489±99	197857	551±58	421±68	486±91	202997
	1.4	538±66	417±63	478±88	69323	553±78	422±74	487±101	195807	544±77	418±67	481±86	200251
	2.2	545±62	413±69	480±93	69692	554±71	417±75	485±100	195138	546±62	425±68	486±89	199194
	2.4	549±57	420±64	485±89	70337	554±70	423±70	489±96	196459	540±75	422±71	481±94	198269
	3.2	553±78	413±65	484±100	71309	555±97	415±76	485±112	197725	535±82	416±68	476±97	197091
	3.4	547±62	416±68	483±92	70688	557±67	423±77	490±99	198515	550±68	422±76	486±96	202546
	Avg all	547±65	415±66	483±93		555±76	420±74	487±101		544±71	421±70	483±94	

		August				September				October 11 days			
		Avg			Sum	Avg			Sum	Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h	7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	364±23	424±57	394±53	133926	369±13	387±25	379±23	131261	378±9	388±12	383±12	53975
	3.1	362±26	434±74	398±66	133747	367±15	394±37	381±31	131485	376±10	391±23	384±19	53147
Ring	1.2	555±58	414±55	484±91	204448	529±76	387±21	458±90	188142	493±85	389±9	441±80	70501
	1.4	553±74	421±53	487±93	203861	533±77	397±21	465±87	190214	488±88	391±8	440±79	69779
	2.2	556±47	434±55	495±80	203619	521±76	406±34	464±82	183948	472±85	387±9	429±74	66895
	2.4	543±71	416±61	480±92	199827	520±84	386±21	453±91	185355	474±83	386±10	430±74	67556
	3.2	554±71	411±59	482±97	204302	531±83	382±20	456±96	189834	479±89	386±10	432±77	67641
	3.4	554±67	413±62	483±95	204473	523±84	384±21	454±93	187347	473±86	387±11	429±75	66790
	Avg all	553±66	418±58	485±91		526±81	390±25	458±90		480±86	388±10	434±77	

		Season 2003			
		Avg			Sum
		7AM-7PM ppm	7PM-7AM ppm	24h ppm	7AM-7PM ppm*h
Control	1.1	368.2	400.5	383.5	368168
	3.1	365.0	409.3	387.2	365748
Ring	1.2	539.7	407.7	473.8	746999
	1.4	534.8	411.0	473.0	739021
	2.2	532.3	413.7	473.2	734538
	2.4	530.0	408.8	469.7	732448
	3.2	534.5	403.8	469.2	738068
	3.4	534.0	407.5	470.8	743012
	Avg all	534.2	408.7	471.7	739014

FACTS-2, [CO₂] season 2004, 150 days

		May 10 days				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	378±8.8	388±16.5	382±12.9	64997	378±18	404±28	386±25	183343	367±28.3	405±35.4	380±35.7	179065
	3.1	378±9.4	388±19.1	381±14.5	64997	374±22.1	409±40.6	385±33.6	181402	368±34.3	420±55.9	386±49.6	179553
Avg		378	388	381		376	407	386		368	413	383	
Ring	1.2	518±82.7	391±17	474±90.5	89070	531±73.9	394±19.5	487±89.1	257553	536±80.7	390±27.5	486±96.5	261523
	1.4	525±84	387±8.9	477±94.5	90274	517±85.4	392±17.3	476±91.9	250762	534±85.9	397±26.7	487±96.6	260548
	2.2	526±78.2	388±13.1	477±91.6	90446	515±85.1	390±21.1	474±91.7	249792	535±78.4	392±28	486±94.4	260548
	2.4	506±87.1	388±13.7	465±90.4	87179	517±84.5	393±22.3	477±91.6	251247	533±86.1	393±30.9	486±98.2	260060
	3.2	520±93	391±17.8	476±97.9	89568	518±88.9	393±21	477±94.3	251247	536±86	393±31	487±98.8	261035
	3.4	500±94.4	376±11.6	456±96.7	86147	511±94.1	383±23.5	469±98.7	247852	523±95.7	388±30.5	477±102.4	255180
Avg all		516	387	471		518	391	477		533	392	485	

		August				September				October 17 days			
		Avg			Sum	Avg			Sum	Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	366±22.5	398±33.5	378±31.6	164468	373±17.1	393±27.7	382±24.8	144823	378±16.9	388±23.7	383±21.2	74447
	3.1	364±26.2	402±45.3	379±39.9	163569	368±22	399±40.1	382±35.2	142882	378±19.1	394±32.6	386±28	74447
Avg		365	400	379		371	396	382		378	391	385	
Ring	1.2	531±82	388±24	474±96	238614	512±85	388±20.3	455±88.9	198793	480±87.6	389±18.8	434±77.5	94536
	1.4	530±88.9	392±22.5	475±97.7	237715	509±86.9	392±19	455±87.4	197628	489±82.9	398±15.1	443±75	96309
	2.2	524±86.9	385±25.9	468±97.2	235019	503±90	383±21.3	448±90.2	195298	468±89	385±19.6	426±76.2	91976
	2.4	527±88.4	389±28.1	472±97.9	236367	506±84.5	388±24.4	451±87.1	196463	482±84.6	390±21.9	435±76.6	94733
	3.2	513±98.4	389±25.2	463±98.4	230076	502±94.3	390±21.6	450±88.2	194522	486±85.3	390±18.5	437±77.9	95718
	3.4	516±97.3	385±27	464±100.6	231873	489±86.3	386±24.7	441±83.1	189862	468±85.6	393±21.2	430±72.3	92173
Avg all		524	388	469		504	388	450		479	391	434	

		Season 2004			
		Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	373.3	396.0	381.8	482977
	3.1	371.7	402.0	383.2	482566
Avg					
Ring	1.2	518.0	390.0	468.3	941296
	1.4	517.3	393.0	468.8	935608
	2.2	511.8	387.2	463.2	927781
	2.4	511.8	390.2	464.3	929586
	3.2	512.5	391.0	465.0	927644
	3.4	501.2	385.2	456.2	913225
Avg all		511.7	389.0	464.0	929188

FACTS-2, [CO₂] season 2005, 143 days

		May 9 days				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	382±16	413±24	392±24	52060	375±21	409±37	386±32	181550	365±26	402±35	377±34	175413
	3.1	383±23	428±39	398±36	52165	372±25	418±54	387±43	180104	365±32	412±47	381±44	175279
Avg													
Ring	1.2	537±75	406±25	493±89	75184	527±85	396±26	484±94	255138	529±93	387±29	481±102	254229
	1.4	523±84	406±23	490±92	72639	524±85	402±23	484±92	253686	531±87	392±26	483±98	255190
	2.2	536±76	404±27	491±89	73164	528±81	397±28	485±92	254549	536±84	393±29	487±98	258700
	2.4	528±74	409±28	488±84	72072	518±80	401±30	480±87	249728	523±87	392±30	478±95	252426
	3.2	535±77	407±25	491±88	72867	524±88	396±25	482±95	253695	524±99	390±27	478±104	251634
	3.4	525±83	397±32	481±93	71505	520±82	400±30	481±90	251758	523±90	392±31	478±98	251153
	Avg all	531	405	489		524	399	483		528	391	481	

		August				September				October 12 days			
		Avg			Sum	Avg			Sum	Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	366±21	398±29	379±29	163712	378±19	399±29	388±26	146733	381±14	392±17	387±16	54064
	3.1	364±26	408±45	382±41	162726	375±24	406±42	389±37	144375	375±11	391±20	383±18	53463
Avg													
Ring	1.2	533±82	386±22	475±97	238411	528±76	390±21	465±90	204961	493±95	387±12	439±86	69957
	1.4	531±86	392±26	476±96	237516	533±78	404±20	474±87	206902	497±89	401±11	448±79	70524
	2.2	536±78	386±23	477±96	240691	530±79	391±23	466±92	205728	501±96	384±12	441±89	71100
	2.4	522±83	388±24	469±93	234404	518±82	394±25	461±88	201062	496±93	389±13	442±85	70391
	3.2	530±84	387±22	473±97	236937	524±78	393±22	463±88	201810	499±94	388±11	443±87	70808
	3.4	530±86	387±25	473±98	236937	518±83	394±26	461±88	199430	493±95	386±13	439±86	69891
	Avg all	530	388	474		525	394	465		497	389	442	

[CO₂] average for Daytime : Control 374 ppm Treatment 523 ppm

Facts-2, CO2 Season 2006, (139 days)

		May 17 days				June				July				
		Avg			Sum	Avg			Sum	Avg			Sum	
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	
Control	1.1	384±12.4	403±23.2	390±19	134490	377±21.3	414±29.4	389±29	182097	383±27.1	420±39.2	396±36	184083	
	3.1	386±15.5	409±34.6	394±26	135248	376±26.6	422±44.5	391±40	181006	375±35.1	421±54.4	390±48	180538	
Avg														
Ring	1.2	500±94	395±18.7	463±91.6	175117	541±90.1	399±24.9	495±100.5	261312	544±89.4	408±33.5	497±99	261465	
	1.4	496±91.9	400±15.4	462±87.5	173716	535±94.5	402±22.8	492±100.5	258414	543±89.8	417±29.5	500±95.8	260984	
	2.2	503±91.4	396±18.6	465±90.2	176201	539±85.9	398±25.7	493±97.9	260337	546±83.4	411±35	500±95.4	262954	
	2.4	501±99.4	401±20.7	466±94.1	175500	544±102.7	408±27.6	499±106.8	262752	546±102	416±37.5	502±105.5	262954	
	3.2	504±92.9	398±17.5	467±91.1	176593	541±88.6	401±25.2	496±99.1	260437	546±85.1	411±33.3	499±96.2	262863	
	3.4	498±93.9	400±25.2	464±90.3	174491	541±97.7	403±30.7	496±104.5	260437	547±100.9	417±40.6	502±105.1	263271	
		August				September								
		Avg			Sum	Avg			Sum					
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h					
Control	1.1	404±62.2	455±82	424.3±75	181726	387±22.2	412±28.1	398.6±28	148369					
	3.1	376±41.2	437±65.9	399.6±60	168937	374±26.2	404±37.9	387.9±35	144108					
Avg														
Ring	1.2	545±92.8	423±45.9	497±98	245150	530±97.4	403±22.7	472±96.6	203193					
	1.4	549±86	444±43.1	507±88.6	246876	531±93.6	423±20.8	481±88.4	203577					
	2.2	545±81.6	423±46.4	497±92.1	245159	530±88.6	401±23	471±92.6	204280					
	2.4	546±90.7	430±47.9	500±95.6	245609	529±91.4	408±24	473±91.5	203894					
	3.2	546±88.5	422±43.9	497±96	245318	534±90.1	403±20.8	474±93.9	205759					
	3.4	545±94.5	424±48.5	497±99	244869	533±93.2	402±24.8	473±96.3	205374					

Facts-2, CO2 Season 2007, (125 days)

		May 14 days				June				July				
		Avg			Sum	Avg			Sum	Avg			Sum	
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	
Control	1.1	399±16.3	425±27	408±23.9	103959	397±30.7	441±39.8	411±39.7	186530	385±33.1	445±52.6	405±49.3	182676	
	3.1	386±17.2	393±22.5	388±19.4	118695	406±47.9	414±44	408±46.9	190915	395±57.9	452±73	414±68.8	187309	
Avg														
Ring	1.2	520±100	402±16.5	480±99.2	135486	545±99.8	415±31.2	503±103.6	256068	515±128	414±36.9	482±117.2	244359	
	1.4	510±92.5	413±17.4	477±88.6	157539	493±99.9	423±28	471±90.1	231636	454±99.3	434±33.3	447±84.1	215415	
	2.2	517±84.5	406±17.6	479±86.9	159055	539±82.7	422±33	501±89.4	253465	539±91.2	423±38.9	501±95.1	256088	
	2.4	521±85.4	411±19.9	483±87.5	160286	498±97.6	433±36.2	477±88.4	234185	454±103.9	432±41.3	447±88.9	215703	
	3.2	520±94.4	404±15.3	480±94.7	159900	544±88.1	415±27.6	502±95.4	255807	544±98.8	417±34.2	502±102.4	257965	
	3.4	534±79.2	411±20.2	492±87.7	122731	499±103.3	425±34.5	475±94	234646	454±105	428±39.4	446±89.8	215287	
		August				September								
		Avg			Sum	Avg			Sum					
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h					
Control	1.1	385±33.1	421±38.5	399±39.4	171845	365±16.4	380±21.5	371±20.3	89364					
	3.1	377±38.2	416±53.9	392.6±48.9	168349	371±26.3	388±42.3	378±35.4	90573					
Avg														
Ring	1.2	520±122.1	407±37.3	476±112.7	232102	509±118.8	393±20.6	459±107.3	124620					
	1.4	527±115.5	425±39.3	487±106.1	235226	503±117.5	410±23.1	463±100.8	123151					
	2.2	540±84.3	412±34.2	490±93.4	240840	503±98.2	399±19.7	457±91	123185					
	2.4	547±103.4	413±35	495±106.1	243962	505±110	400±22.2	459±98.7	123675					
	3.2	545±104.2	405±28.6	491±107.8	243370	505±105.5	396±16.8	457±96.6	123287					
	3.4	556±97.6	415±34.9	501±104.7	248282	509±104.7	402±23.3	462±95.8	124264					

Facts-2, CO2 Season 2008, (140 days)

		May 9 days				June				July			
		Avg			Sum	Avg			Sum	Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	402±13.5	426±25.8	410±21.6	57292	405±24.4	443±35	417±33.4	194191	396±32.7	434±39.4	409±39.6	190344
	3.1					402±34.5	470±65.4	423±56.3	192994	388±38.7	447±64.7	408±56.5	187171
Ring	1.2	514±89.8	419±10.7	482±86	73254	550±94.6	430±25.6	511±97.1	263716	547±121.1	416±34.6	502±117.9	262925
	1.4	524±84.5	415±8.3	487±86.1	74679	543±97.2	426±23.1	505±97.7	260359	543±105.4	424±34	502±104.2	261002
	2.2	519±83	406±13.7	480±86.6	73862	538±78.9	417±27	499±87.6	257980	539±91	415±37.1	497±96.8	260014
	2.4	519±88	415±13	484±87.4	73862	547±91.2	426±28.4	508±95.3	262296	543±99.9	420±39.5	501±102.5	261871
	3.2	513±87	419±10.7	481±83.7	73137	548±86.2	430±24.3	510±90.8	263086	541±103.9	417±32.1	499±104.5	260978
	3.4	525±87.2	417±16.7	488±88	74778	547±81	426±30.8	509±89.1	262606	550±91.4	423±35.9	507±97.9	265320
		August				September				October 9 days			
		Avg			Sum	Avg			Sum	Avg			Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h
Control	1.1	385±28.9	419±32.7	399±34.8	172538	388±16.3	407±21.3	397±21	150201	394±12.4	408±15	401±15.4	40050
	3.1	384±36.6	441±59.1	407±54.4	172403	386±18.9	412±38.7	398±32.6	149433	393±14.1	409±22.3	401±20.3	39948
Ring	1.2	540±122.7	410±29.9	489±116.2	242001	542±111.2	400±19.3	477±108.7	209817	519±102	405±14.5	462±92.3	52756
	1.4	542±114.4	412±31.3	491±111.1	242897	543±105.3	403±17.7	478±104.7	210204	521±100.7	405±13.7	463±92	52960
	2.2	539±93.6	406±30.9	486±99.5	241409	536±86.7	396±19.3	471±95.3	207459	508±88.3	401±15.4	454±82.9	51443
	2.4	539±104.8	411±34	488±104.8	241337	540±98.1	406±24.2	478±99.5	209007	516±97.4	410±17.7	462±87.7	52254
	3.2	543±113.3	410±29.5	490±111.2	243789	542±103.7	403±17.4	478±103.7	209826	528±95.8	409±13.9	468±90.7	53671
	3.4	553±100.5	412±32.8	497±106.1	248279	542±100.6	401±19.9	477±102.6	209754	528±90.3	406±16.5	467±89.1	53671

FACTS-2 CO2 Season 2009

		May 16 days				June				July				
		Avg			Sum	Avg			Sum	Avg				Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm		Daytime ppm*h
Control	1.1	399±11.7	415±20.1	404±17.1	116774	403±31.3	442±46.1	415±41.1	195448	385±23.2	421±28.1	397±30.1	187566	
	3.1	400±13.7	416±27.4	406±20.9	117020	401±38.9	460±81.9	420±63.1	194458	384±28.8	435±49.1	401±44.2	187078	
Avg														
Ring	1.2	521±94.6	409±11.2	483±93.5	152479	537±116.2	421±29.2	499±111	260436	376±20.3	405±25.9	386±26.2	183181	
	1.4	507±106.2	399±11.7	470±100.3	148382	537±107	411±25.2	496±106.9	260436	408±87.2	403±24.6	406±72.4	198771	
	2.2	511±86	404±12.3	474±86.4	149476	483±106.6	408±31.1	459±95.9	234183	386±28.6	416±35.6	396±34.3	188053	
	2.4	521±92.7	412±12.5	483±91.4	152401	455±100.1	428±32.9	446±85.2	220607	379±20.8	412±29.1	390±28.5	184642	
	3.2	518±96.7	406±10.2	480±94.9	151541	544±108.4	416±26.1	502±108.1	263804	524±112.7	407±24.7	485±108	255284	
	3.4	529±108.9	402±13.6	485±107	154759	568±109.7	420±36.3	520±115.6	275442	465±111.6	411±27	447±95.6	226540	
		August				September				October 7 Days				
		Avg			Sum	Avg			Sum	Avg				Sum
		Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm	Daytime ppm*h	Daytime ppm	Nighttime ppm	24h ppm		Daytime ppm*h
Control	1.1	379±29.1	413±33.9	393±35.3	157020	383±32.6	425±36.4	402±40.2	148834	389±7.9	398±11.8	394±10.9	28449	
	3.1	382±35.7	426±51.4	399.6±47.4	53620									
Avg														
Ring	1.2	373±23.8	400±32.5	383±30.4	154534	381±27.1	409±28.6	394±31.3	148057	385±6.5	392±12.5	389±10.8	28156	
	1.4	375±22.1	401±29.4	385±28.1	155363	381±23.7	408±25.8	393±28.2	148057	385±6.2	394±12.3	390±10.7	28156	
	2.2	373±21.1	398±26.4	382±26.1	52257									
	2.4	376±23.6	407±31.3	388±30.6	52678									
	3.2	381±21.5	405±25.9	390±26.1	53480									
	3.4	374±22.3	402±27.5	384±27.8	52497									

Shut Down *North Rep was monitored until October 7, 2009

Rings	Date
1.2*	30-Jun-09
1.4*	6-Jul-09
2.2	21-Jun-09
2.4	13-Jun-09
3.2	28-Jul-09
3.4	15-Jul-09