

## Quick Reference for Conversions Between SI and English Units

Volume			Volume/Area		Weight/Area					Weight				
					kg/ha		lb/A		ton/A		bu/A		lb	
qt	L	gal	L/ha	gpa	kg/ha	lb/A	ton/A	56 lb	60 lb	lb	kg	ton	g	ounce
1	1	0.3	1	0.1	0.1	0.09				0.2	0.1		1	0.04
2.1	2	0.5	2	0.2	0.2	0.18				0.4	0.2		2	0.07
3.2	3	0.8	3	0.3	0.3	0.27				0.7	0.3		3	0.1
4.2	4	1.1	4	0.4	0.4	0.36				0.9	0.4		4	0.14
5.3	5	1.3	5	0.5	0.5	0.45				1.1	0.5		5	0.18
6.3	6	1.6	6	0.6	0.6	0.54				1.3	0.6		6	0.21
7.4	7	1.8	7	0.7	0.7	0.62				1.5	0.7		7	0.25
8.5	8	2.1	8	0.9	0.8	0.71				1.8	0.8		8	0.28
9.5	9	2.4	9	1	0.9	0.80				2	0.9		9	0.32
11	10	2.6	10	1.1	1	0.89				2.2	1		10	0.35
21	20	5.3	20	2.1	2	1.8				4.4	2		20	0.7
32	30	7.9	30	3.2	3	2.7				6.6	3		30	1.1
42	40	11	40	4.3	4	3.6				8.8	4		40	1.4
53	50	13	50	5.3	5	4.5				11	5		50	1.8
63	60	16	60	6.4	6	5.4				13	6		60	2.1
74	70	18	70	7.5	7	6.2				15	7		70	2.5
85	80	21	80	8.6	8	7.1				18	8		80	2.8
95	90	24	90	9.6	9	8.0				20	9		90	3.2
106	100	26	100	11	10	8.9				22	10		100	3.5
211	200	53	200	21	20	18				44	20		200	7.1
317	300	79	300	32	30	27				66	30		300	11
423	400	106	400	43	40	36				88	40		400	14
528	500	132	500	53	50	45				110	50		500	18
634	600	159	600	64	60	54		1		132	60		600	21
740	700	185	700	75	70	62			1	154	70		700	25
846	800	211	800	86	80	71				176	80		800	28
951	900	238	900	96	90	80				198	90		900	32
1057	1000	264	1000	107	100	89				220	100	0.1	1000	35
*1.057			*0.264											
Area														
ha		A	cm <sup>2</sup>	inch <sup>2</sup>										
0.1		0.25	10	1.5	600	535		10	9	1102	500	0.5		
0.2		0.49	20	3	700	624	0.3	11	10	1323	600	0.7		
0.3		0.74	30	5	800	714		13	12	1543	700	0.8		
0.4		1	40	6	900	803	0.4	14	13	1764	800	0.9		
0.5		1.2	50	8	1000	892		16	15	1984	900	1		
0.6		1.5	60	9	2000	1784	0.9	32	30	2205	1000	1.1		
0.7		1.7	70	11	3000	2676	1.3	48	45	2410	2000	2.2		
0.8		2	80	12	4000	3568	1.8	64	59	2615	3000	3.3		
0.9		2.2	90	14	5000	4460	2.2	80	74	2820	4000	4.4		
1		2.5	100	16	6000	5352	2.7	96	89	3025	5000	5.5		
2		5	200	31	7000	6244	3.1	111	104	3230	6000	6.6		
3		7.4	300	46	8000	7136	3.6	127	119	3435	7000	7.7		
4		10	400	62	9000	8028	4.0	143	134	3640	8000	8.8		
5		12	500	77	10000	8920	4.5	159	149	3845	9000	9.9		
6		15	600	93	11000	9812	4.9	175	164	4050	10000	11		
7		17	700	108	12000	10704	5.4	191	178	4255				
8		20	800	124	13000	11596	5.8	207	193	4460				
9		22	900	139	14000	12488	6.2	223	208	4665				
10		25	1000	145	15000	13380	6.7	239	223	4870				
*2.471			*0.155		*0.892 *0.00045 *0.016 *0.015					*2.205 *0.0011				
Temperature		Speed		Pressure		Length								
°C	°F	km/h	mph	kPa	psi	inch	cm	feet	feet	meter	yard	yard	km	mile
100	212	1	0.6	50	7	0.4	1		0.3	0.1	0.1	109	0.1	0.06
90	194	2	1.2	75	11	0.8	2		0.6	0.2	0.2	219	0.2	0.12
80	176	3	1.9	100	14	1.2	3	0.1	0.9	0.3	0.3	328	0.3	0.19
70	158	4	2.5	125	18	1.6	4		1.3	0.4	0.4	438	0.4	0.25
60	140	5	3.1	150	22	2	5		1.6	0.5	0.5	547	0.5	0.31
50	122	6	3.7	175	25	2.4	6	0.2	2	0.6	0.7	656	0.6	0.37
40	104	7	4.3	200	29	2.8	7		2.3	0.7	0.8	766	0.7	0.43
35	95	8	5	225	33	3.1	8		2.6	0.8	0.9	875	0.8	0.5
30	86	9	5.6	250	36	3.5	9		3	0.9	1	985	0.9	0.56
25	77	10	6.2	275	40	3.9	10	0.3	3.3	1	1.1	1094	1	0.62
20	68	12	7.5	300	43	4.5	12		4	1.2	1.3	1203	1.2	0.75
15	59	15	9.3	325	47	5.1	14		5	1.5	1.7	1312	1.5	0.94
10	50	19	11.8	350	51	5.7	16	1.3	6	1.8	2	1421	1.8	1.13
5	41	25	15.7	375	54	6.3	20	1.6	7	2.1	2.3	1530	2.1	1.32
0	32	31	19.6	400	58	6.9	24	2	8	2.4	2.6	1639	2.4	1.51
5	23	37	23.5	425	61	7.5	28	2.3	9	2.7	2.9	1748	2.7	1.70
10	14	43	27.4	450	65	8.1	32	2.6	10	3	3.1	1857	3	1.89
15	5	49	31.3	475	68	8.7	36	2.9	11	3.3	3.4	1966	3.3	2.08
20	-4	55	35.2	500	72	9.3	40	3.3	12	3.6	3.7	2075	3.6	2.27
25	-13	61	39.1	525	75	9.9	44	3.7	13	3.9	4	2184	3.9	2.46
30	-22	67	43	550	79	10.5	48	4.1	14	4.2	4.3	2293	4.2	2.65
40	-40	79	49	600	87	11.7	56	4.7	16	4.8	5.1	2451	4.8	3.03
*(°C) + 32			*0.6214		*0.145					*1.094 *0.6214				
					*0.3937					*3.281				

\* Multiply the SI units by this factor to convert to English units for this column.

## Common and Trade Names and Manufacturers of Herbicides

Trade names and manufacturers listed are the original and/or most common source(s) of the herbicide listed. The list is provided as an aid to readers who are more familiar with trade names than common names. No attempt is made to include all trade names or manufacturers of a herbicide nor is any discrimination implied against similar products available from other sources. A complete listing of common names, pronunciation, chemistry, trade names, and manufacturers is available on the back cover of *Weed Science* and/or in the *Herbicide Handbook* from the WSSA, 309 W. Clark St., Champaign, IL 61820.

Common Name	Trade Name	Manufacturer	Common Name	Trade Name	Manufacturer
acetochlor	Harness	Monsanto	halosafen		ICI Americas
acifluorfen	Blazer	BASF	haloxyfop	Verdict	DowElanco
alachlor	Lasso	Monsanto	hexazinone	Velpar	DuPont
ametryn	Evik	CIBA-Geigy			
amitrole	Amitrol	Rhone-Poulenc	imazamethabenz	Assert	American Cyanamid
AMS	Ammate X-NI	DuPont	imazapyr	Arsenal	American Cyanamid
asulam	Asulox	Rhone-Poulenc	imazaquin	Scepter	American Cyanamid
atrazine	several	several	imazethapyr	Pursuit	American Cyanamid
			isopropalin	Paarlan	DowElanco
barban	Carbyne	United Agri-Products	isouron	Conserve	DowElanco
benefin	Balan	DowElanco	isoxaben		DowElanco
bensulide	Prefar	ICI Americas			
bentazon	Basagran	BASF	lactofen	Cobra	PPG
bensulfuron	Londax	DuPont	linuron	Lorox	DuPont
bifenox	Modown	Rhone-Poulenc			
bromacil	Hyvar	DuPont	MAA	several	several
bromoxynil	Brominal	Rhone-Poulenc	MCPA	several	several
	Buctril	Rhone-Poulenc	MCPB	This-trol	Rhone-Poulenc
butachlor	Machete	Monsanto	mecoprop	several	several
buthidazole	Ravage	Sandoz	mefluidide	Embark	3M
butylate	Sutan	ICI Americas	metham	Vapam	ICI Americas
			methazole	Probe	Sandoz
CDAA	Randex	Monsanto	metolachlor	Dual	CIBA-Geigy
chloramben	Amiben	Rhone-Poulenc	metribuzin	Lexone	DuPont
chlorimuron	Classic	DuPont		Sencor	Mobay
chloroxuron	Tenoran	CIBA-Geigy	metsulfuron	Ally	DuPont
chlorpropham	Furloc	PPG	MH	several	several
chlorsulfuron	Glean	DuPont	molinate	Ordram	ICI Americas
clethodim	Select	Valent			
cinmethylin	Cinch	DuPont	napropamide	Devrinol	ICI Americas
clomazone	Command	FMC	naptalam	Alanap	Uniroyal
cloproxydim		Valent	norea	Herban	Nor-Am
clopyralid	Lontrel	DowElanco	norflurazon	Zorial	Sandoz
cyanazine	Bladex	DuPont			
cycloate	Ro-Neet	ICI Americas	oryzalin	Surflan	DowElanco
			oxadiazon	Ronstar	Rhone-Poulenc
dalapon	several	several	oxyfluorfen	Goal	Rohm and Haas
dazomet	several	several			
DCPA	Dacthal	SDS Biotech	paraquat	Gramoxone	ICI Americas
desmedipharm	Betanex	Nor-Am	pebulate	Tillam	ICI Americas
diallate	Avadex	Monsanto	pendimethalin	Prowl	American Cyanamid
dicamba	Banvel	Sandoz	perfludone	Destun	3M
dichlobenil	Casoron	Uniroyal	phenmedipharm	Betanal	Nor-Am
dichlorprop	several	several	picloram	Tordon	DowElanco
diclofop	Hoelon	Hoechst-Roussel	profluralin	Tolban	CIBA-Geigy
diethylat	Antor	Nor-Am	prometon	Pramitol	CIBA-Geigy
difenzoquat	Avenge	American Cyanamid	prometryn	Caparol	CIBA-Geigy
dinoseb	several	several	pronamide	Kerb	Rohm and Haas
diphenamid	Enide	Nor-Am	propachlor	Ramrod	Monsanto
dipropetryn	Sancap	CIBA-Geigy	propanil	Stam, Stampede	Rohm and Haas
diquat	Diquat	Valent	propazine	Milogard	CIBA-Geigy
dithiopyr		Monsanto	propham	Chem Hoe	PPG
diuron	Karmex	DuPont	pyrazon	Pyramin	BASF
			pyridate	Tough	Agrolinz
endothall	Endothal	Pennwalt			
EPTC	Eptam	ICI Americas	quizalofop	Assure	DuPont
ethalfuralin	Sonalan	DowElanco			
ethofumesate	Nortron	Nor-Am	sethoxydim	Poast	BASF
			siduron	Tupersan	DuPont
fenoxaprop	Whip	Hoechst-Roussel	simazine	Princep	CIBA-Geigy
flamprop	Mataven	Shell U.K.	sulfometuron	Oust	DuPont
fluzifop	Fusilade	ICI Americas			
fluzifop-P	Fusilade 2000	ICI Americas	tebuthiuron	Graslan	DowElanco
fluchloralin	Basalin	BASF	terbacil	Sinbar	DuPont
fluometuron	Cotoran	CIBA-Geigy	terbutryn	Igran	CIBA-Geigy
fluorchloridone	Racer	ICI Americas	thifensulfuron	Harmony	DuPont
fluoroglycofen		Rohm and Haas	thiobencarb	Bolero	Valent
fluridone	Sonar	DowElanco	triallate	Far-go	Monsanto
flurtamone	Benchmark	Valent	triclopyr	Garlon	DowElanco
fomesafen	Reflex	ICI Americas	tridiphane	Tandem	DowElanco
fosamine	Krenite	DuPont	trifluralin	Treflan	DowElanco
			2,4-D	several	several
glyphosate	Roundup	Monsanto	2,4-DB	Butyrac	Rhone-Poulenc
			vernolate	Vernam	ICI Americas