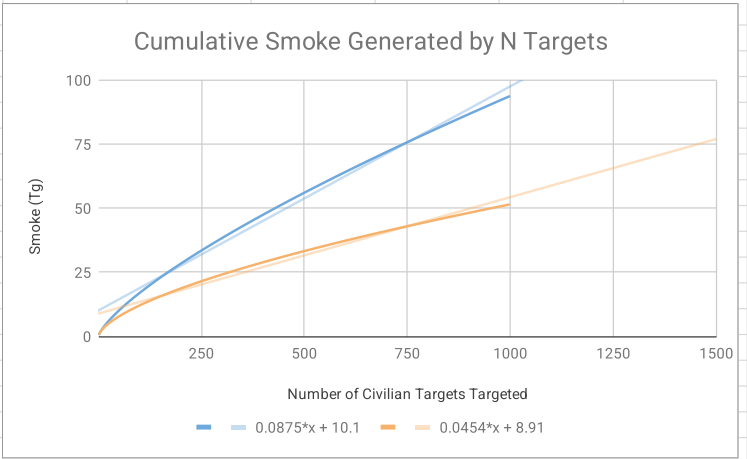


Source:	<a href="#">Toon et al. 2007</a>	Table 13
Country	Average Fuel Loading (g/cm <sup>2</sup> )	
Argentina	13	
Brazil	21	
China	50	
Egypt	25	
<b>France</b>	<b>10</b>	
India	35	
Iran	23	
Israel	8	
Japan	19	
Pakistan	28	
<b>Russia</b>	<b>18</b>	
UK	9	
<b>US</b>	<b>12</b>	

Source:	<a href="#">Small &amp; Bush, 1985</a>				
<i>Original Data, 467</i>					
Area	Number of targets	Percent of targets	Fuel loading (g/cm2)		
Wasteland	204	6%	Unknown		
Forest	481	14%	0.17		
Grassland	702	20%	0.01 - 0.06		
Cropland	2,072	60%	0.0, 50 weeks/year 0.2 week/year		
Total	3,459	100%			
<i>Adapted (weighted average)</i>					
Area	Number of targets	Percent of targets	Fuel loading (g/cm2), Lower Bound	Fuel loading (g/cm2), Upper Bound	
Wasteland	204	6%	Unknown	Unknown	
Forest	481	15%	0.17	0.17	
Grassland	702	22%	0.01	0.06	
Cropland	2,072	64%	0.01	0.20	
Total	3,255	100%	-	-	
<b>Weighted Average</b>			<b>0.03</b>	<b>0.17</b>	
<i>Original Data, Table 2</i>					
Study	Yield (Mt)	Area (103 km2)	Loading (g/cm2)	Emission (g/g)	Smoke Tg
Crutzen and Birks	3800	1000	0.3 - 0.55	0.067 - 0.073	200 - 400
Turco et al.	4000	500	0.5	0.032	80
Crutzen et al.	3800	250 - 1000	0.4	0.06	60 - 240
National Academy of Sciences	5000	250	0.4	0.03	30
Bush and Small	4100	30 - 190	0.01 - 0.02	~0.03	0.03 - 3.0
<i>Data used in model:</i>					
Fuel loading (g/cm2), Lower Bound	Fuel loading (g/cm2), Upper Bound				
<b>0.03</b>	<b>0.55</b>				
<i>Note: I will place disproportionately more weight on Bush and Small because I think their methodology is stronger.</i>					

1	0.664	0.554
2	1.027583156	0.9272034769
3	1.326644222	1.253172503
4	1.59025172	1.551816404
5	1.830286945	1.831658383
6	2.053068157	2.097375274
7	2.262454451	2.351893265
8	2.461017892	2.597201381
9	2.650579656	2.834731628
10	2.832488005	3.065559605
11	3.007775871	3.290519962
12	3.177256409	3.510277734
13	3.341584066	3.725372252
14	3.501295308	3.936252008
15	3.656836748	4.143292274
16	3.808585139	4.346812546
17	3.956861962	4.547087519
18	4.101944288	4.744355634
19	4.244073026	4.938825596
20	4.383459281	5.130681452
21	4.520289345	5.320086587
22	4.654728646	5.507186913
23	4.786924922	5.692113443
24	4.917010794	5.874984394
25	5.045105877	6.055906917
26	5.171318523	6.234978529
27	5.295747267	6.412288319
28	5.418482051	6.587917957
29	5.539605248	6.761942558
30	5.659192538	6.934431413
31	5.777313656	7.105448618
32	5.894033036	7.27505362
33	6.009410362	7.44330169
34	6.123501056	7.610244328
35	6.236356697	7.77592963
36	6.348025386	7.940402598
37	6.458552074	8.103705424
38	6.567978844	8.265877733
39	6.67634517	8.426956804
40	6.783688134	8.586977764
41	6.890042632	8.745973765
42	6.995441552	8.903976139
43	7.099915932	9.061014538
44	7.203495108	9.217117064
45	7.306206841	9.372310378
46	7.408077436	9.52661981
47	7.509131848	9.68006945
48	7.609393777	9.832682233
49	7.70888576	9.984480019
50	7.807629244	10.13548366
51	7.905644667	10.28571308
52	8.002951516	10.43518731
53	8.099568398	10.58392457
54	8.195513086	10.73194228
55	8.290802578	10.87925717
56	8.385453141	11.02588526
57	8.479480357	11.17184194
58	8.57289916	11.31714197
59	8.665723878	11.46179956
60	8.757968264	11.60582837
61	8.849645528	11.74924154
62	8.940768371	11.89205174
63	9.031349008	12.03427116
64	9.121399197	12.17591157
65	9.210930259	12.31698432
66	9.299953108	12.45750037
67	9.388478262	12.5974703
68	9.476515873	12.73690433
69	9.564075736	12.87581236



70	9.651167312	13.01420395								
71	9.737799743	13.15208836								
72	9.823981866	13.28947454								
73	9.909722227	13.42637119								
74	9.995029098	13.56278672								
75	10.07991048	13.69872929								
76	10.16437414	13.83420681								
77	10.24842757	13.96922696								
78	10.33207807	14.1037972								
79	10.41533269	14.23792476								
80	10.49819828	14.37161668								
81	10.5806815	14.50487978								
82	10.66278878	14.63772073								
83	10.74452641	14.77014597								
84	10.82590046	14.90216179								
85	10.90691686	15.03377432								
86	10.98758135	15.1649895								
87	11.06789954	15.29581314								
88	11.14787686	15.42625088								
89	11.22751861	15.55630823								
90	11.30682994	15.68599056								
91	11.38581588	15.81530309								
92	11.46448131	15.94425092								
93	11.54283099	16.07283904								
94	11.62086958	16.20107229								
95	11.69860159	16.32895542								
96	11.77603143	16.45649306								
97	11.85316342	16.58368971								
98	11.93000174	16.7105498								
99	12.0065505	16.83707763								
100	12.0828137	16.96327742								
101	12.15879524	17.08915329								
102	12.23449894	17.21470926								
103	12.30992851	17.33994927								
104	12.38508761	17.46487718								
105	12.45997979	17.58949674								
106	12.53460852	17.71381165								
107	12.6089772	17.83782552								
108	12.68308916	17.96154187								
109	12.75694764	18.08496417								
110	12.83055584	18.2080958								
111	12.90391685	18.33094009								
112	12.97703374	18.45350027								
113	13.04990947	18.57577954								
114	13.12254696	18.69778102								
115	13.19494909	18.81950777								
116	13.26711863	18.94096278								
117	13.33905835	19.062149								
118	13.41077092	19.18306932								
119	13.48225897	19.30372656								
120	13.5535251	19.42412349								
121	13.62457182	19.54426285								
122	13.69540162	19.66414731								
123	13.76601694	19.78377948								
124	13.83642015	19.90316195								
125	13.90661359	20.02229724								
126	13.97659957	20.14118784								
127	14.04638033	20.25983618								
128	14.11595809	20.37824467								
129	14.18533501	20.49641564								
130	14.25451323	20.61435143								
131	14.32349483	20.73205429								
132	14.39228187	20.84952646								
133	14.46087637	20.96677014								
134	14.5292803	21.08378748								
135	14.59749562	21.2005806								
136	14.66552423	21.31715159								
137	14.73336801	21.43350251								
138	14.8010288	21.54963536								
139	14.86850843	21.66555214								

140	14.93580868	21.78125479								
141	15.00293129	21.89674523								
142	15.069878	22.01202537								
143	15.13665049	22.12709704								
144	15.20325043	22.2419621								
145	15.26967947	22.35662233								
146	15.33593921	22.47107952								
147	15.40203125	22.5853354								
148	15.46795714	22.69939171								
149	15.53371842	22.81325013								
150	15.5993166	22.92691233								
151	15.66475317	23.04037995								
152	15.7300296	23.15365461								
153	15.79514732	23.26673792								
154	15.86010775	23.37963142								
155	15.9249123	23.49233669								
156	15.98956233	23.60485523								
157	16.05405921	23.71718856								
158	16.11840427	23.82933816								
159	16.18259882	23.94130548								
160	16.24664416	24.05309197								
161	16.31054156	24.16469904								
162	16.37429229	24.2761281								
163	16.43789758	24.38738053								
164	16.50135865	24.49845768								
165	16.56467671	24.6093609								
166	16.62785294	24.72009151								
167	16.69088851	24.83065082								
168	16.75378457	24.94104012								
169	16.81654227	25.05126068								
170	16.87916272	25.16131376								
171	16.94164702	25.27120058								
172	17.00399627	25.38092237								
173	17.06621153	25.49048034								
174	17.12829388	25.59987568								
175	17.19024435	25.70910955								
176	17.25206398	25.81818313								
177	17.31375378	25.92709755								
178	17.37531476	26.03585394								
179	17.43674791	26.14445341								
180	17.49805421	26.25289708								
181	17.55923461	26.36118603								
182	17.62029008	26.46932132								
183	17.68122155	26.57730402								
184	17.74202994	26.68513518								
185	17.80271618	26.79281584								
186	17.86328117	26.900347								
187	17.9237258	27.0077297								
188	17.98405096	27.11496491								
189	18.0442575	27.22205363								
190	18.10434629	27.32899683								
191	18.16431818	27.43579547								
192	18.22417401	27.5424505								
193	18.2839146	27.64896287								
194	18.34354077	27.7553335								
195	18.40305332	27.86156331								
196	18.46245307	27.9676532								
197	18.52174078	28.07360408								
198	18.58091725	28.17941682								
199	18.63998324	28.28509232								
200	18.69893951	28.39063142								
201	18.75778681	28.49603499								
202	18.81652588	28.60130388								
203	18.87515746	28.70643892								
204	18.93368227	28.81144094								
205	18.99210103	28.91631077								
206	19.05041444	29.0210492								
207	19.10862321	29.12565705								
208	19.16672803	29.2301351								
209	19.22472958	29.33448414								

210	19.28262854	29.43870494								
211	19.34042557	29.54279827								
212	19.39812135	29.6467649								
213	19.45571651	29.75060556								
214	19.51321171	29.85432101								
215	19.5706076	29.95791198								
216	19.62790479	30.06137919								
217	19.68510391	30.16472337								
218	19.7422056	30.26794523								
219	19.79921044	30.37104547								
220	19.85611906	30.4740248								
221	19.91293205	30.57688389								
222	19.96965	30.67962344								
223	20.0262735	30.78224411								
224	20.08280313	30.88474659								
225	20.13923946	30.98713154								
226	20.19558306	31.0893996								
227	20.25183449	31.19155143								
228	20.30799431	31.29358768								
229	20.36406306	31.39550897								
230	20.4200413	31.49731595								
231	20.47592955	31.59900923								
232	20.53172836	31.70058944								
233	20.58743825	31.80205718								
234	20.64305975	31.90341306								
235	20.69859336	32.00465768								
236	20.75403961	32.10579164								
237	20.809399	32.20681553								
238	20.86467202	32.30772993								
239	20.91985919	32.40853542								
240	20.97496098	32.50923256								
241	21.02997789	32.60982194								
242	21.08491041	32.7103041								
243	21.13975899	32.81067961								
244	21.19452413	32.91094901								
245	21.24920628	33.01111286								
246	21.30380591	33.1111717								
247	21.35832349	33.21112605								
248	21.41275946	33.31097646								
249	21.46711427	33.41072345								
250	21.52138837	33.51036754								
251	21.57558221	33.60990925								
252	21.62969622	33.70934908								
253	21.68373084	33.80868756								
254	21.73768649	33.90792518								
255	21.7915636	34.00706244								
256	21.84536259	34.10609983								
257	21.89908388	34.20503785								
258	21.95272788	34.30387698								
259	22.00629501	34.40261771								
260	22.05978567	34.5012605								
261	22.11320026	34.59980584								
262	22.16653918	34.69825419								
263	22.21980283	34.79660601								
264	22.2729916	34.89486178								
265	22.32610588	34.99302194								
266	22.37914604	35.09108695								
267	22.43211248	35.18905726								
268	22.48500558	35.28693331								
269	22.53782569	35.38471555								
270	22.59057321	35.48240441								
271	22.64324849	35.58000034								
272	22.6958519	35.67750375								
273	22.74838381	35.77491508								
274	22.80084456	35.87223474								
275	22.85323452	35.96946317								
276	22.90555405	36.06660078								
277	22.95780347	36.16364798								
278	23.00998316	36.26060518								
279	23.06209344	36.35747279								

280	23.11413466	36.45425121							
281	23.16610716	36.55094084							
282	23.21801127	36.64754208							
283	23.26984732	36.74405533							
284	23.32161564	36.84048096							
285	23.37331657	36.93681938							
286	23.42495041	37.03307096							
287	23.4765175	37.12923609							
288	23.52801816	37.22531515							
289	23.57945269	37.3213085							
290	23.63082141	37.41721653							
291	23.68212464	37.5130396							
292	23.73336267	37.60877808							
293	23.78453582	37.70443234							
294	23.83564439	37.80000273							
295	23.88668868	37.89548962							
296	23.93766899	37.99089335							
297	23.98858562	38.08621429							
298	24.03943885	38.18145277							
299	24.09022898	38.27660916							
300	24.1409563	38.3716838							
301	24.19162109	38.46667702							
302	24.24222364	38.56158916							
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306	24.44401705	38.94043374							
307	24.49431259	39.03494553							
308	24.54454755	39.12937824							
309	24.59472219	39.22373219							
310	24.6448368	39.31800769							
311	24.69489162	39.41220506							
312	24.74488693	39.50632463							
313	24.79482298	39.6003667							
314	24.84470004	39.69433159							
315	24.89451836	39.7882196							
316	24.9442782	39.88203104							
317	24.9939798	39.97576621							
318	25.04362344	40.06942542							
319	25.09320934	40.16300897							
320	25.14273776	40.25651715							
321	25.19220895	40.34995027							
322	25.24162315	40.44330861							
323	25.2909806	40.53659247							
324	25.34028154	40.62980213							
325	25.38952622	40.72293789							
326	25.43871486	40.81600003							
327	25.48784771	40.90898883							
328	25.53692499	41.00190458							
329	25.58594695	41.09474755							
330	25.6349138	41.18751803							
331	25.68382579	41.28021629							
332	25.73268313	41.3728426							
333	25.78148605	41.46539723							
334	25.83023477	41.55788047							
335	25.87892952	41.65029256							
336	25.92757052	41.74263379							
337	25.97615798	41.83490442							
338	26.02469213	41.9271047							
339	26.07317318	42.01923491							
340	26.12160134	42.1112953							
341	26.16997683	42.20328613							
342	26.21829986	42.29520765							
343	26.26657064	42.38706013							
344	26.31478937	42.47884381							
345	26.36295627	42.57055894							
346	26.41107154	42.66220577							
347	26.45913539	42.75378456							
348	26.50714801	42.84529555							
349	26.55510961	42.93673898							

350	26.60302039	43.0281151								
351	26.65088055	43.11942414								
352	26.69869028	43.21066636								
353	26.74644979	43.30184198								
354	26.79415926	43.39295125								
355	26.84181889	43.48399439								
356	26.88942888	43.57497165								
357	26.93698941	43.66588325								
358	26.98450067	43.75672944								
359	27.03196285	43.84751043								
360	27.07937615	43.93822645								
361	27.12674073	44.02887774								
362	27.1740568	44.11946451								
363	27.22132453	44.20998699								
364	27.2685441	44.30044541								
365	27.3157157	44.39083998								
366	27.36283951	44.48117093								
367	27.4099157	44.57143847								
368	27.45694445	44.66164282								
369	27.50392595	44.7517842								
370	27.55086036	44.84186282								
371	27.59774785	44.93187889								
372	27.64458861	45.02183262								
373	27.69138281	45.11172423								
374	27.73813061	45.20155393								
375	27.78483218	45.29132192								
376	27.8314877	45.38102841								
377	27.87809733	45.47067361								
378	27.92466124	45.56025771								
379	27.97117959	45.64978093								
380	28.01765255	45.73924346								
381	28.06408028	45.82864551								
382	28.11046295	45.91798728								
383	28.15680071	46.00726895								
384	28.20309373	46.09649074								
385	28.24934216	46.18565283								
386	28.29554617	46.27475543								
387	28.34170592	46.36379872								
388	28.38782155	46.4527829								
389	28.43389322	46.54170815								
390	28.4799211	46.63057468								
391	28.52590533	46.71938266								
392	28.57184606	46.80813229								
393	28.61774345	46.89682375								
394	28.66359766	46.98545724								
395	28.70940882	47.07403293								
396	28.75517709	47.162551								
397	28.80090261	47.25101165								
398	28.84658554	47.33941505								
399	28.89222602	47.42776139								
400	28.9378242	47.51605083								
401	28.98338022	47.60428357								
402	29.02889422	47.69245978								
403	29.07436635	47.78057964								
404	29.11979675	47.86864332								
405	29.16518556	47.956651								
406	29.21053293	48.04460284								
407	29.25583899	48.13249903								
408	29.30110388	48.22033974								
409	29.34632774	48.30812513								
410	29.3915107	48.39585538								
411	29.43665291	48.48353065								
412	29.4817545	48.57115112								
413	29.52681561	48.65871695								
414	29.57183636	48.7462283								
415	29.61681689	48.83368535								
416	29.66175734	48.92108825								
417	29.70665784	49.00843718								
418	29.75151851	49.09573228								
419	29.79633949	49.18297373								



420	29.84112091	49.27016169							
421	29.8858629	49.35729631							
422	29.93056558	49.44437776							
423	29.97522908	49.53140619							
424	30.01985354	49.61838176							
425	30.06443907	49.70530462							
426	30.1089858	49.79217494							
427	30.15349385	49.87899287							
428	30.19796336	49.96575856							
429	30.24239444	50.05247217							
430	30.28678722	50.13913384							
431	30.33114181	50.22574374							
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