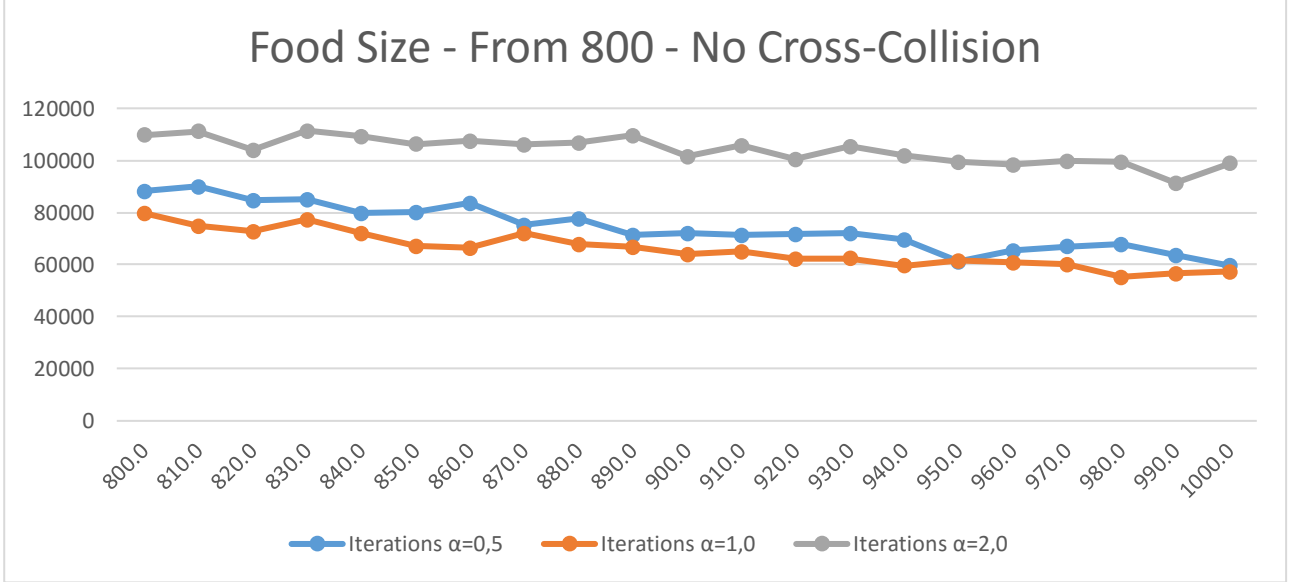
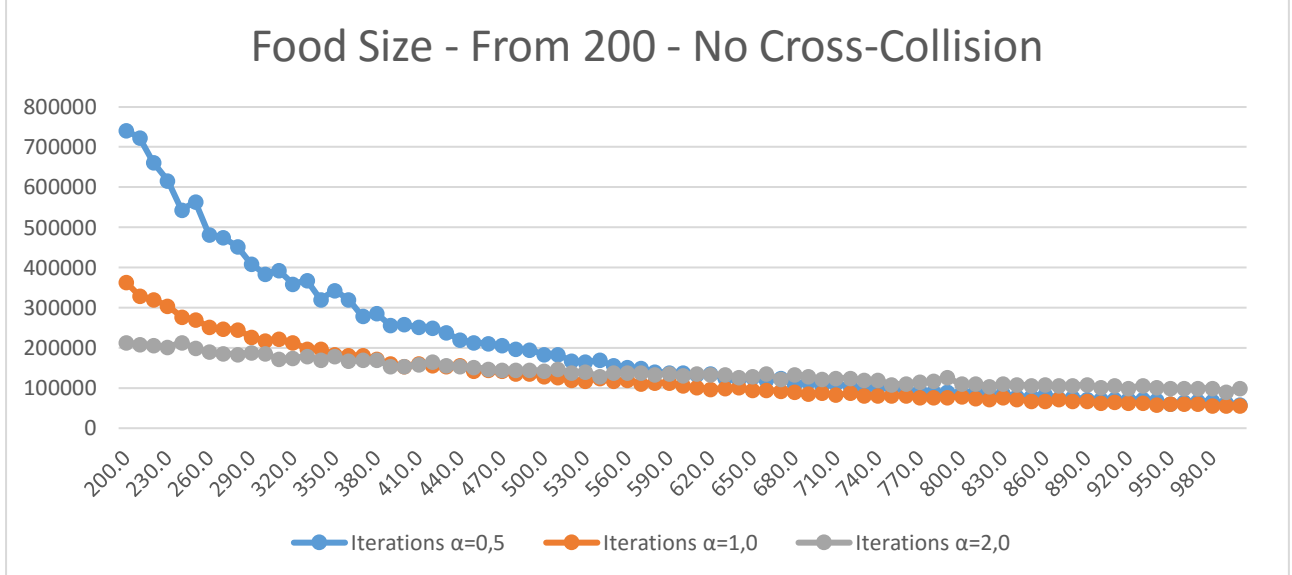
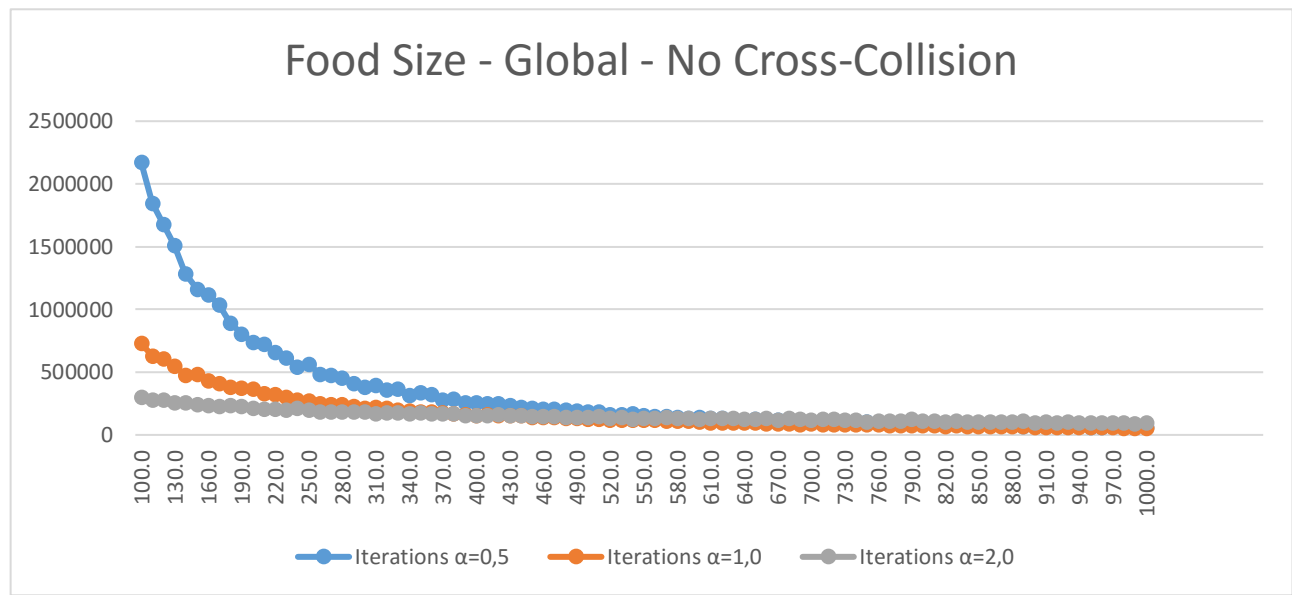


Cross collision = False			
Food Size	Iterations		
	$\alpha=0,5$	$\alpha=1,0$	$\alpha=2,0$
100.0	2178781	730202	301467
110.0	1845807	631210	278352
120.0	1676513	607682	280620
130.0	1511999	548850	258910
140.0	1283975	477625	262270
150.0	1159927	484522	244797
160.0	1118034	433302	237380
170.0	1041091	411115	230770
180.0	893550	382818	236261
190.0	807561	376116	229181
200.0	742055	364839	212640
210.0	723810	329551	208074
220.0	662006	321469	206345
230.0	615982	303596	201390
240.0	543626	278127	213939
250.0	564845	269911	199818
260.0	482423	251604	189543
270.0	476121	246634	185264
280.0	452086	244687	182873
290.0	408848	227416	188462
300.0	384211	217619	185972
310.0	394266	221972	172728
320.0	359347	213889	175553
330.0	368348	198503	179378
340.0	319869	196783	169548
350.0	342674	184301	178324
360.0	321164	182515	168223
370.0	278440	180622	169114
380.0	286547	171388	170555
390.0	256577	161425	155159
400.0	257890	154528	154495
410.0	252425	161967	158991
420.0	249823	156596	166139
430.0	237607	154480	156648
440.0	220989	157593	154794
450.0	213579	142105	151383
460.0	210210	145843	147367
470.0	207155	142182	146090
480.0	198350	136547	144831
490.0	196294	135211	144195
500.0	184543	129943	142712
510.0	183376	126064	147169
520.0	167585	121107	138463
530.0	166462	117305	141028
540.0	169173	123957	129095
550.0	157426	118226	137323
560.0	151853	121160	137221
570.0	149064	110159	139336
580.0	141513	112821	134045
590.0	138310	112496	135787
600.0	138799	106848	131283
610.0	133774	100708	136925
620.0	136108	98189	134195
630.0	124731	99850	133463
640.0	122684	101513	126838
650.0	127530	95290	129765
660.0	120893	94434	135199
670.0	123580	93323	123332
680.0	109425	90838	132943
690.0	115035	84840	129361
700.0	106147	88908	122746
710.0	110554	82656	124605
720.0	104165	87642	124619
730.0	100268	81827	120894
740.0	101463	82303	119736
750.0	104249	81133	109109
760.0	90763	80900	111669
770.0	92206	77482	115337
780.0	90350	77721	116815
790.0	89691	76401	125933
800.0	88379	79740	109823
810.0	90076	74961	111238
820.0	84770	72892	104005
830.0	85106	77279	111452
840.0	79837	72045	109160
850.0	80117	67217	106318
860.0	83523	66557	107587
870.0	75306	72221	106083
880.0	77642	68007	106797
890.0	71277	66734	109575
900.0	71987	63885	101464
910.0	71289	65103	105799
920.0	71692	62195	100386
930.0	72096	62419	105531
940.0	69698	59622	101965
950.0	61269	61428	99486
960.0	65361	60947	98508
970.0	66987	60299	99807
980.0	67920	55292	99359
990.0	63620	56695	91377
1000.0	59609	57256	98923

Agent Count	10
MAS size	10000
Food count	100
step	10
Units	100



Cross collision = True			
Food Size	Iterations		
	$\alpha=0,5$	$\alpha=1,0$	$\alpha=2,0$
100.0	104641	230819	270417
110.0	92208	212622	252271
120.0	89287	204858	248269
130.0	78844	183456	249956
140.0	75457	174448	242960
150.0	69841	167321	222203
160.0	64261	161906	243512
170.0	62313	143299	228061
180.0	56488	134926	212918
190.0	52910	139718	213292
200.0	51065	134451	210031
210.0	49673	133907	202394
220.0	49257	121805	192354
230.0	48000	111188	188567
240.0	43385	110344	195315
250.0	42263	105901	189379
260.0	40906	106242	184580
270.0	37174	101868	185781
280.0	35976	96861	188623
290.0	34879	97627	189526
300.0	33207	93492	176831
310.0	33498	90887	171684
320.0	32471	88705	175961
330.0	31903	85624	169088
340.0	30004	78900	169116
350.0	27865	77092	171996
360.0	28764	76982	159789
370.0	27105	72841	160331
380.0	26520	72779	161238
390.0	25610	73625	155349
400.0	26055	69770	163451
410.0	26035	71935	156696
420.0	24885	66507	167056
430.0	24319	67807	155208
440.0	22371	68911	144972
450.0	21863	64106	148906
460.0	22285	60697	142090
470.0	22071	60397	155762
480.0	22895	62525	138627
490.0	19782	54525	141736
500.0	19839	57590	146051
510.0	18908	58665	139599
520.0	20353	54643	125494
530.0	19605	56045	140024
540.0	18171	54799	134496
550.0	18514	50928	132526
560.0	19040	55125	131855
570.0	18021	49720	130864
580.0	17248	50330	126139
590.0	17329	48023	129890
600.0	15915	49671	130900
610.0	16180	49030	128100
620.0	15729	49324	127261
630.0	15505	45788	126361
640.0	15785	46395	121982
650.0	14471	44739	119806
660.0	15439	42774	119862
670.0	14796	45661	123352
680.0	14833	43692	118863
690.0	14429	41927	116489
700.0	13817	42286	121682
710.0	13526	44000	115866
720.0	13735	39200	109681
730.0	13829	39438	109365
740.0	13492	39980	119097
750.0	12835	39126	116635
760.0	13172	37668	107455
770.0	11804	37458	110444
780.0	12508	37383	111853
790.0	12824	37243	106990
800.0	11824	38063	114193
810.0	11431	36417	121766
820.0	11348	34167	110302
830.0	12112	36798	104851
840.0	11840	34579	106321
850.0	11066	34525	102878
860.0	10895	33425	111501
870.0	10882	35905	107963
880.0	11108	33662	104853
890.0	10227	35573	102607
900.0	10656	33968	95322
910.0	11070	32526	103756
920.0	9485	32654	103763
930.0	9730	31462	100993
940.0	9978	29955	94938
950.0	9704	30012	91788
960.0	9910	31764	94813
970.0	9898	30690	98378
980.0	9630	30178	97658
990.0	10106	30164	96803
1000.0	8900	31695	103383

Agent Count	10
MAS size	10000
Food count	100
step	10
Units	100

