

APPENDIX D

Table 6 – Life Cycle Impact Assessment results for beef

Beef	Unit	Total	Primary Production	Transportation	Retail	Waste Treatment	Packaging
Climate change	kg CO2 eq	3,04E+01	2,99E+01	2,12E-02	2,75E-03	4,34E-01	9,36E-02
Ozone depletion	kg CFC-11 eq	4,67E-08	1,83E-08	4,32E-11	7,79E-10	2,39E-08	3,68E-09
Human toxicity, cancer effects	CTUh	4,36E-07	3,81E-07	1,59E-11	1,70E-10	5,09E-08	3,57E-09
Human toxicity, non-cancer effects	CTUh	3,71E-05	3,69E-05	3,53E-10	1,11E-09	2,42E-07	8,55E-09
Particulate matter	kg PM2.5 eq	2,29E-02	2,27E-02	2,04E-06	2,16E-06	1,51E-04	5,61E-05
Ionizing radiation HH	kBq U235 eq	7,36E-02	2,26E-02	5,26E-05	7,13E-03	3,46E-02	9,19E-03
Ionizing radiation E (interim)	CTUe	3,68E-07	2,23E-07	5,20E-10	2,05E-08	1,00E-07	2,41E-08
Photochemical ozone formation	kg NMVOC eq	3,57E-02	3,41E-02	1,65E-04	5,96E-06	9,88E-04	3,55E-04
Acidification	molc H+ eq	9,63E-01	9,61E-01	1,30E-04	1,60E-05	1,95E-03	5,06E-04
Terrestrial eutrophication	molc N eq	4,26E+00	4,26E+00	6,69E-04	1,99E-05	6,59E-03	8,43E-04
Freshwater eutrophication	kg P eq	7,16E-03	6,62E-03	6,81E-08	9,03E-07	5,31E-04	1,48E-05
Marine eutrophication	kg N eq	3,54E-01	3,53E-01	6,10E-05	7,87E-05	7,49E-04	2,39E-04
Freshwater ecotoxicity	CTUe	7,72E+01	6,14E+01	9,01E-03	1,14E-01	1,53E+01	3,79E-01
Land use	kg C deficit	3,89E+02	3,87E+02	0,00E+00	6,81E-03	1,46E+00	6,92E-02
Water resource depletion	m3 water eq	6,72E-01	6,72E-01	3,10E-07	4,95E-06	1,26E-04	5,93E-05
Mineral, fossil & ren. resource depletion	kg Sb eq	9,04E-05	8,54E-05	4,97E-09	8,99E-08	3,89E-06	9,90E-07

Table 7 - Life Cycle Impact Assessment results for pork

Pork	Unit	Total	Primary Production	Transportation	Retail	Waste Treatment	Packaging
Climate change	kg CO2 eq	6,40E+00	5,82E+00	5,35E-02	2,75E-03	4,34E-01	9,36E-02
Ozone depletion	kg CFC-11 eq	8,15E-08	5,30E-08	1,09E-10	7,79E-10	2,39E-08	3,68E-09
Human toxicity, cancer effects	CTUh	1,33E-07	7,80E-08	5,53E-11	1,70E-10	5,09E-08	3,57E-09
Human toxicity, non-cancer effects	CTUh	1,08E-05	1,06E-05	1,33E-09	1,11E-09	2,42E-07	8,55E-09
Particulate matter	kg PM2.5 eq	3,97E-03	3,75E-03	5,75E-06	2,16E-06	1,51E-04	5,61E-05
Ionizing radiation HH	kBq U235 eq	1,17E-01	6,60E-02	1,33E-04	7,13E-03	3,46E-02	9,19E-03
Ionizing radiation E (interim)	CTUe	7,99E-07	6,52E-07	1,32E-09	2,05E-08	1,00E-07	2,41E-08
Photochemical ozone formation	kg NMVOC eq	9,64E-03	7,80E-03	5,01E-04	5,96E-06	9,88E-04	3,55E-04
Acidification	molc H+ eq	1,62E-01	1,59E-01	3,83E-04	1,60E-05	1,95E-03	5,06E-04
Terrestrial eutrophication	molc N eq	7,17E-01	7,07E-01	2,00E-03	1,99E-05	6,59E-03	8,43E-04
Freshwater eutrophication	kg P eq	1,46E-03	9,12E-04	1,72E-07	9,03E-07	5,31E-04	1,48E-05
Marine eutrophication	kg N eq	4,42E-02	4,29E-02	1,83E-04	7,87E-05	7,49E-04	2,39E-04
Freshwater ecotoxicity	CTUe	3,61E+01	2,03E+01	3,40E-02	1,14E-01	1,53E+01	3,79E-01
Land use	kg C deficit	7,93E+01	7,78E+01	0,00E+00	6,81E-03	1,46E+00	6,92E-02
Water resource depletion	m3 water eq	1,37E-02	1,35E-02	7,83E-07	4,95E-06	1,26E-04	5,93E-05
Mineral, fossil & ren. resource depletion	kg Sb eq	2,45E-05	1,95E-05	1,26E-08	8,99E-08	3,89E-06	9,90E-07

Table 8 - Life Cycle Impact Assessment results for chicken

Chicken	Unit	Total	Primary Production	Transportation	Retail	Waste Treatment	Packaging
Climate change	kg CO2 eq	6,31E+00	5,67E+00	1,18E-01	2,75E-03	4,34E-01	9,36E-02
Ozone depletion	kg CFC-11 eq	8,35E-08	5,49E-08	2,40E-10	7,79E-10	2,39E-08	3,68E-09
Human toxicity, cancer effects	CTUh	1,23E-07	6,82E-08	1,32E-10	1,70E-10	5,09E-08	3,57E-09
Human toxicity, non-cancer effects	CTUh	7,49E-06	7,23E-06	3,40E-09	1,11E-09	2,42E-07	8,55E-09
Particulate matter	kg PM2.5 eq	3,37E-03	3,14E-03	1,42E-05	2,16E-06	1,51E-04	5,61E-05
Ionizing radiation HH	kBq U235 eq	1,19E-01	6,79E-02	2,92E-04	7,13E-03	3,46E-02	9,19E-03
Ionizing radiation E (interim)	CTUe	8,19E-07	6,71E-07	2,88E-09	2,05E-08	1,00E-07	2,41E-08
Photochemical ozone formation	kg NMVOC eq	9,04E-03	6,40E-03	1,30E-03	5,96E-06	9,88E-04	3,55E-04
Acidification	molc H+ eq	1,22E-01	1,18E-01	9,80E-04	1,60E-05	1,95E-03	5,06E-04
Terrestrial eutrophication	molc N eq	5,37E-01	5,24E-01	5,20E-03	1,99E-05	6,59E-03	8,43E-04
Freshwater eutrophication	kg P eq	1,33E-03	7,86E-04	3,78E-07	9,03E-07	5,31E-04	1,48E-05
Marine eutrophication	kg N eq	3,01E-02	2,86E-02	4,74E-04	7,87E-05	7,49E-04	2,39E-04
Freshwater ecotoxicity	CTUe	3,25E+01	1,66E+01	8,76E-02	1,14E-01	1,53E+01	3,79E-01
Land use	kg C deficit	7,87E+01	7,71E+01	0,00E+00	6,81E-03	1,46E+00	6,92E-02
Water resource depletion	m3 water eq	2,55E-02	2,53E-02	1,72E-06	4,95E-06	1,26E-04	5,93E-05
Mineral, fossil & ren. resource depletion	kg Sb eq	2,52E-05	2,02E-05	2,76E-08	8,99E-08	3,89E-06	9,90E-07

Table 9 - Life Cycle Impact Assessment results for banana

Banana	Unit	Total	Primary Production	Transportation	Retail	Waste Treatment	Packaging
Climate change	kg CO2 eq	1,00E+00	1,92E-01	4,16E-01	3,53E-03	3,59E-01	6,74E-02
Ozone depletion	kg CFC-11 eq	3,94E-08	1,38E-08	7,13E-10	8,03E-10	2,39E-08	5,32E-09
Human toxicity, cancer effects	CTUh	6,05E-08	8,30E-09	3,89E-10	1,91E-10	5,03E-08	4,02E-09
Human toxicity, non-cancer effects	CTUh	2,12E-07	-3,50E-08	4,79E-09	1,23E-09	2,38E-07	2,48E-08
Particulate matter	kg PM2.5 eq	5,52E-04	1,51E-04	3,58E-04	2,75E-06	1,51E-04	4,76E-05
Ionizing radiation HH	kBq U235 eq	5,74E-02	1,36E-02	8,69E-04	7,15E-03	3,46E-02	6,86E-03
Ionizing radiation E (interim)	CTUe	1,79E-07	4,34E-08	8,58E-09	2,06E-08	1,00E-07	2,19E-08
Photochemical ozone formation	kg NMVOC eq	9,27E-03	5,70E-04	7,73E-03	7,20E-06	9,79E-04	2,23E-04
Acidification	molc H+ eq	1,31E-02	1,69E-03	9,34E-03	2,02E-05	1,94E-03	4,45E-04
Terrestrial eutrophication	molc N eq	4,23E-02	4,74E-03	3,09E-02	2,31E-05	6,55E-03	8,60E-04
Freshwater eutrophication	kg P eq	5,95E-04	4,52E-05	1,20E-06	1,09E-06	5,31E-04	2,92E-05
Marine eutrophication	kg N eq	6,12E-03	2,44E-03	2,82E-03	1,06E-04	7,45E-04	2,08E-04
Freshwater ecotoxicity	CTUe	1,59E+01	1,30E+00	5,54E-02	1,16E-01	1,41E+01	7,52E-01
Land use	kg C deficit	-1,23E+00	-2,40E+00	0,00E+00	7,99E-03	1,46E+00	3,81E-01
Water resource depletion	m3 water eq	6,64E-02	6,66E-02	5,21E-06	5,68E-06	1,24E-04	-9,00E-05
Mineral, fossil & ren. resource depletion	kg Sb eq	1,84E-05	1,19E-05	8,71E-08	9,19E-08	3,88E-06	4,56E-06

