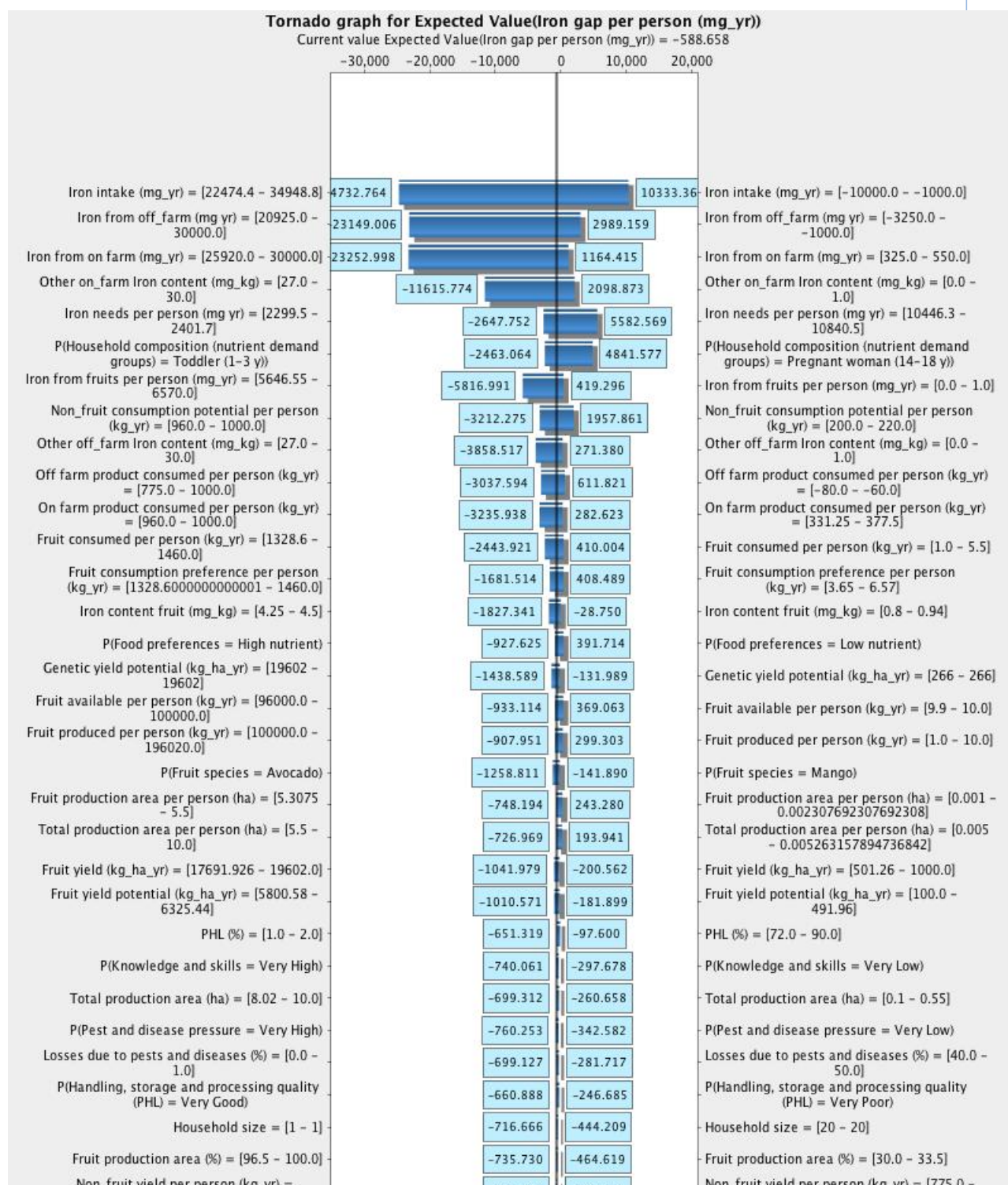
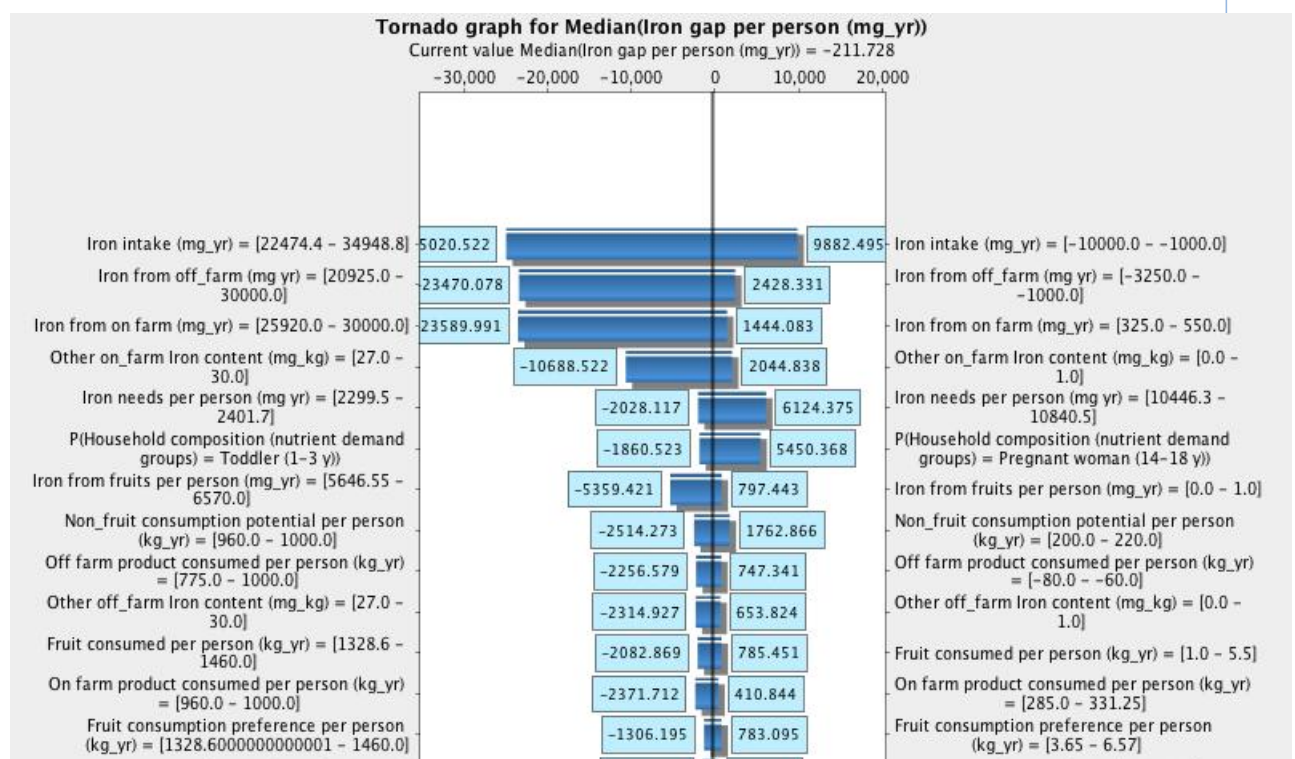


Sensitivity Analysis of Iron gap per person (mg_yr)

Scenario 1



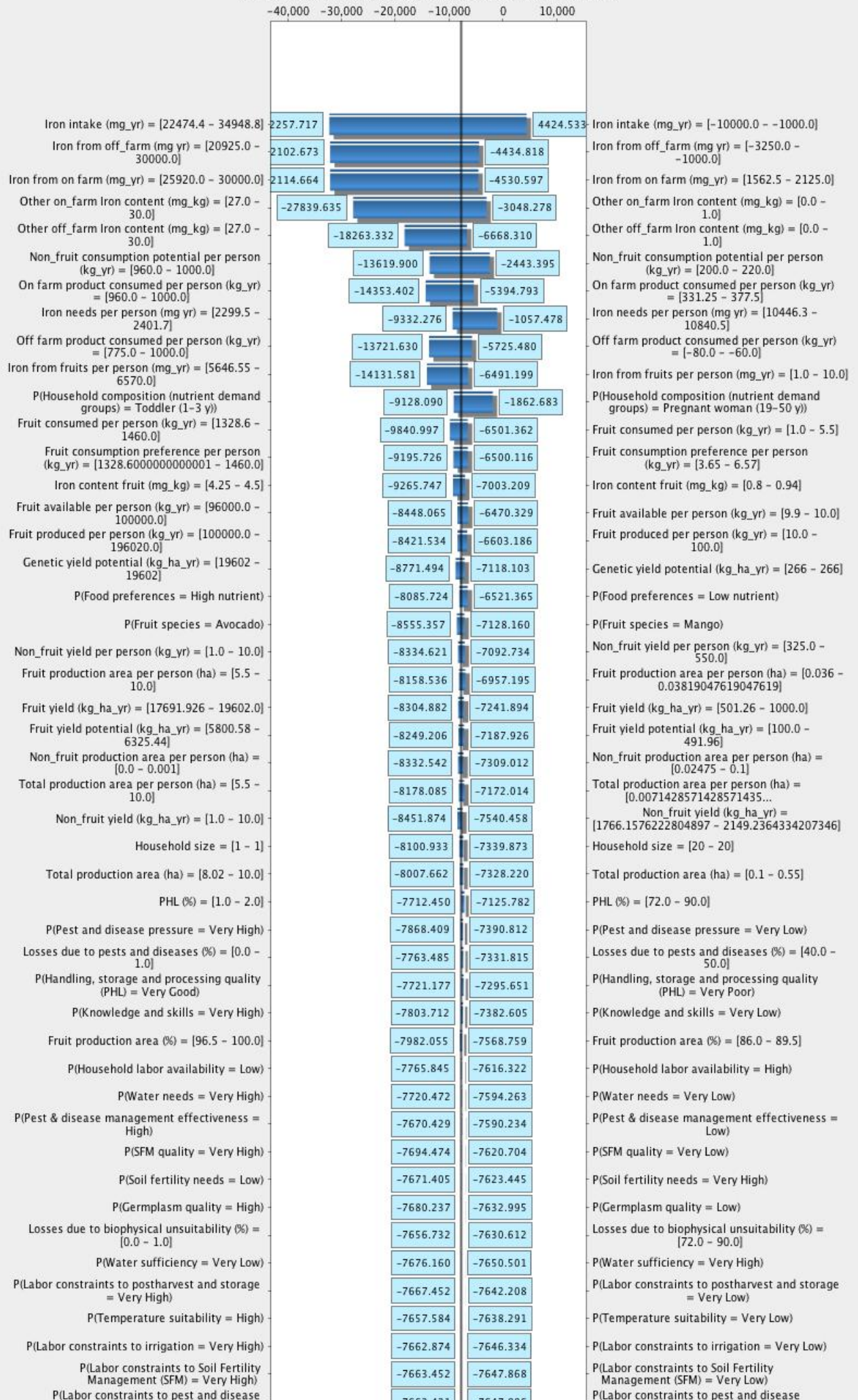
[52840.19635858546 - 89421.87076068309]	-721.697	-546.889	1000.0]
Non_fruit production area per person (ha) = [3.25 - 5.5]	-722.402	-554.738	Non_fruit production area per person (ha) = [0.1 - 0.18366666666666664]
Non_fruit yield (kg_ha_yr) = [10.0 - 100.0]	-706.281	-561.242	Non_fruit yield (kg_ha_yr) = [16258.521956487835 - 20323.152445609794]
P(Water needs = Very High)	-658.565	-527.620	P(Water needs = Very Low)
P(Pest & disease management effectiveness = High)	-607.457	-513.765	P(Pest & disease management effectiveness = Low)
P(SFM quality = Very High)	-634.455	-550.400	P(SFM quality = Very Low)
P(Household labor availability = Low)	-638.298	-570.715	P(Household labor availability = High)
P(Germplasm quality = High)	-616.837	-567.025	P(Germplasm quality = Low)
P(Soil fertility needs = Low)	-606.009	-556.680	P(Soil fertility needs = Very High)
P(Water sufficiency = Very Low)	-611.009	-584.267	P(Water sufficiency = Very High)
Losses due to biophysical unsuitability (%) = [0.0 - 1.0]	-590.624	-564.952	Losses due to biophysical unsuitability (%) = [72.0 - 90.0]
P(Temperature suitability = High)	-591.592	-571.726	P(Temperature suitability = Very Low)
P(Labor constraints to postharvest and storage = Very High)	-597.540	-578.612	P(Labor constraints to postharvest and storage = Very Low)
P(Soil fertility = Very High)	-598.474	-581.652	P(Soil fertility = Very Low)
P(Biophysical suitability = Highly Suitable)	-589.852	-578.176	P(Biophysical suitability = Very Poor)
P(Effect of soil fertility constraints = Very High)	-598.076	-586.872	P(Effect of soil fertility constraints = Very Low)
P(Labor constraints to irrigation = Very High)	-592.684	-584.322	P(Labor constraints to irrigation = Very Low)
P(Labor constraints to Soil Fertility Management (SFM) = Very High)	-592.952	-585.071	P(Labor constraints to Soil Fertility Management (SFM) = Very Low)
P(Labor constraints to pest and disease management = Very High)	-592.920	-585.099	P(Labor constraints to pest and disease management = Very Low)
P(Effect of climatic constraints = Very Low)	-591.879	-585.973	P(Effect of climatic constraints = Very High)
P(Ability to hire labor = Low)	-589.098	-585.598	P(Ability to hire labor = High)
Annual mean temperatures = [35.0]	-589.324	-587.734	Annual mean temperatures = [10.0]
P(Rainfall regime = Sub-humid)	-589.536	-587.961	P(Rainfall regime = Semi-arid)
P(Ability to irrigate = Very High)	-588.812	-588.017	P(Ability to irrigate = Very Low)
P(Farm income = Low)	-588.992	-588.214	P(Farm income = High)
P(Rainfall adequacy = Medium)	-588.725	-588.617	P(Rainfall adequacy = Very Low)
P(Pest & disease management inputs = Very Low)	-588.699	-588.626	P(Pest & disease management inputs = Very High)
P(Natural soil fertility = Very Low)	-588.690	-588.623	P(Natural soil fertility = Very High)
P(Water availability = Very Low)	-588.676	-588.656	P(Water availability = Very High)



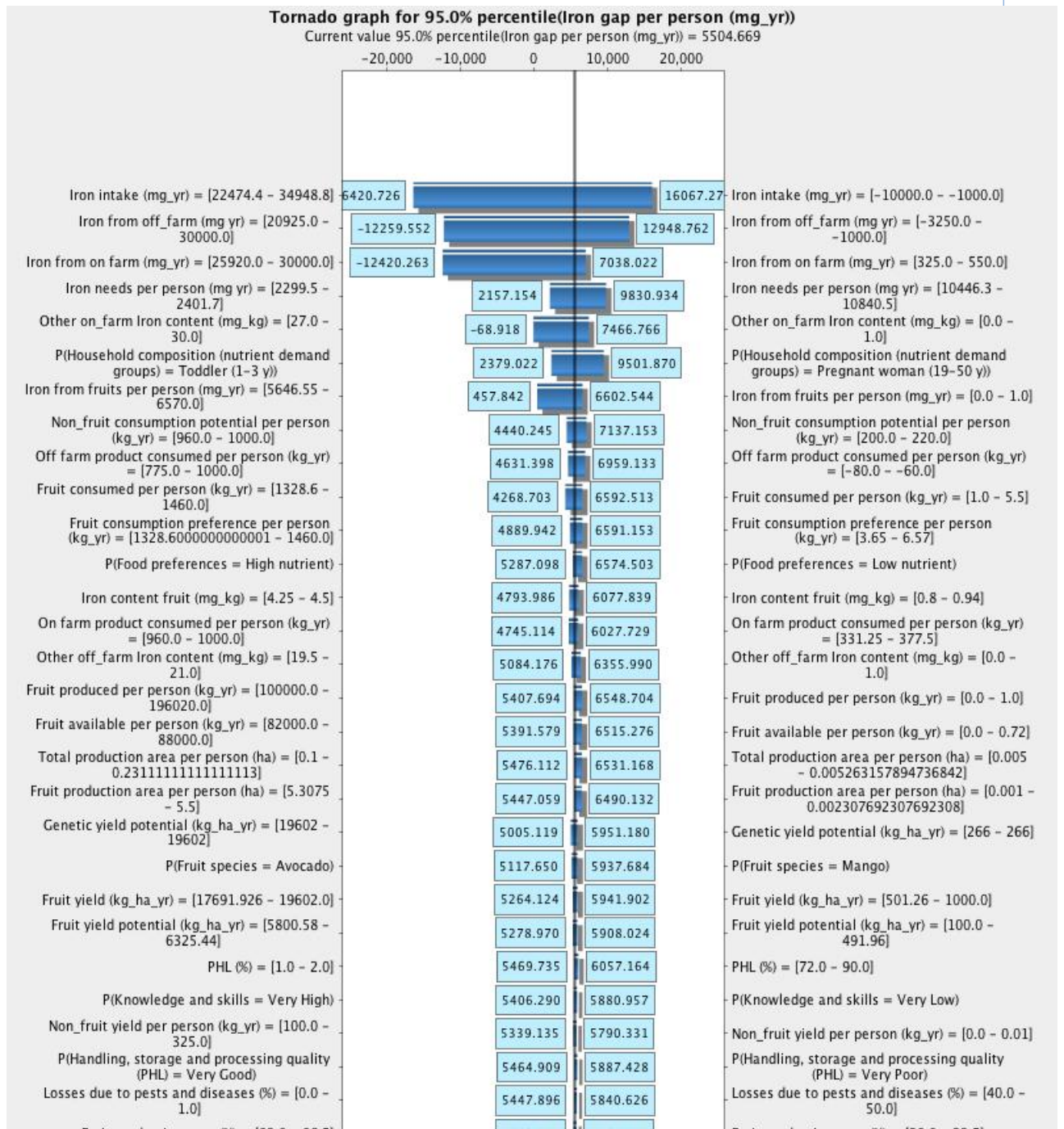
Iron content fruit (mg_kg) = [4.25 - 4.5]	-1495.548	347.158	Iron content fruit (mg_kg) = [0.8 - 0.94]
Genetic yield potential (kg_ha_yr) = [19602 - 19602]	-1091.580	246.513	Genetic yield potential (kg_ha_yr) = [266 - 266]
P(Food preferences = High nutrient)	-561.650	766.185	P(Food preferences = Low nutrient)
Fruit available per person (kg_yr) = [96000.0 - 100000.0]	-504.820	751.245	Fruit available per person (kg_yr) = [0.0 - 0.72]
Fruit produced per person (kg_yr) = [100000.0 - 196020.0]	-476.915	772.695	Fruit produced per person (kg_yr) = [0.0 - 1.0]
P(Fruit species = Avocado)	-901.743	236.754	P(Fruit species = Mango)
Fruit production area per person (ha) = [5.3075 - 5.5]	-346.602	717.053	Fruit production area per person (ha) = [0.001 - 0.002307692307692308]
Total production area per person (ha) = [2.125 - 3.25]	-288.193	701.641	Total production area per person (ha) = [0.005 - 0.005263157894736842]
Fruit yield (kg_ha_yr) = [17691.926 - 19602.0]	-677.942	186.411	Fruit yield (kg_ha_yr) = [501.26 - 1000.0]
Fruit yield potential (kg_ha_yr) = [5800.58 - 6325.44]	-649.600	201.188	Fruit yield potential (kg_ha_yr) = [100.0 - 491.96]
PHL (%) = [1.0 - 2.0]	-277.672	286.781	PHL (%) = [72.0 - 90.0]
P(Knowledge and skills = Very High)	-370.417	98.333	P(Knowledge and skills = Very Low)
P(Pest and disease pressure = Very High)	-392.111	46.408	P(Pest and disease pressure = Very Low)
Losses due to pests and diseases (%) = [0.0 - 1.0]	-328.020	110.286	Losses due to pests and diseases (%) = [40.0 - 50.0]
P(Handling, storage and processing quality (PHL) = Very Good)	-287.739	143.940	P(Handling, storage and processing quality (PHL) = Very Poor)
Total production area (ha) = [8.02 - 10.0]	-278.307	140.509	Total production area (ha) = [0.1 - 0.55]
Fruit production area (%) = [93.0 - 96.5]	-353.694	-35.598	Fruit production area (%) = [30.0 - 33.5]
Non_fruit yield per person (kg_yr) = [325.0 - 550.0]	-355.685	-52.896	Non_fruit yield per person (kg_yr) = [0.0 - 0.01]
Non_fruit production area per person (ha) = [0.02475 - 0.1]	-286.979	-66.420	Non_fruit production area per person (ha) = [0.001 - 0.0011666666666666668]
Non_fruit yield (kg_ha_yr) = [1000.0 - 1383.0788111402449]	-305.114	-124.220	Non_fruit yield (kg_ha_yr) = [16258.521956487835 - 20323.152445609794]
Household size = [1 - 1]	-282.313	-116.006	Household size = [20 - 20]
P(Water needs = Very High)	-285.563	-146.897	P(Water needs = Very Low)
P(Pest & disease management effectiveness = High)	-231.706	-131.484	P(Pest & disease management effectiveness = Low)
P(SFM quality = Very High)	-259.645	-171.389	P(SFM quality = Very Low)
P(Soil fertility needs = Low)	-230.098	-177.803	P(Soil fertility needs = Very High)
P(Germplasm quality = High)	-241.231	-189.432	P(Germplasm quality = Low)
P(Household labor availability = Low)	-242.258	-200.704	P(Household labor availability = High)
P(Water sufficiency = Very Low)	-235.378	-207.076	P(Water sufficiency = Very High)
Losses due to biophysical unsuitability (%) = [0.0 - 1.0]	-213.742	-187.432	Losses due to biophysical unsuitability (%) = [72.0 - 90.0]
P(Temperature suitability = High)	-214.834	-193.759	P(Temperature suitability = Very Low)
P(Soil fertility = Very High)	-222.035	-204.361	P(Soil fertility = Very Low)
P(Labor constraints to postharvest and storage = Very High)	-219.360	-202.430	P(Labor constraints to postharvest and storage = Very Low)
P(Effect of soil fertility constraints = Very High)	-221.801	-209.826	P(Effect of soil fertility constraints = Very Low)
P(Biophysical suitability = Highly Suitable)	-212.947	-201.069	P(Biophysical suitability = Very Poor)
P(Effect of climatic constraints = Very Low)	-215.109	-208.924	P(Effect of climatic constraints = Very High)
P(Labor constraints to irrigation = Very High)	-214.352	-208.782	P(Labor constraints to irrigation = Very Low)
P(Labor constraints to Soil Fertility Management (SFM) = Very High)	-214.512	-209.259	P(Labor constraints to Soil Fertility Management (SFM) = Very Low)
P(Labor constraints to pest and disease management = Very High)	-214.479	-209.289	P(Labor constraints to pest and disease management = Very Low)
P(Ability to hire labor = Low)	-212.193	-208.493	P(Ability to hire labor = High)
Annual mean temperatures = [35.0]	-212.416	-210.777	Annual mean temperatures = [10.0]
P(Rainfall regime = Sub-humid)	-212.638	-211.009	P(Rainfall regime = Semi-arid)
P(Farm income = Low)	-212.081	-211.259	P(Farm income = High)
P(Ability to irrigate = Very High)	-211.830	-211.304	P(Ability to irrigate = Very Low)
P(Rainfall adequacy = Medium)	-211.797	-211.685	P(Rainfall adequacy = Very Low)
P(Pest & disease management inputs = Very Low)	-211.770	-211.695	P(Pest & disease management inputs = Very High)
P(Natural soil fertility = Very Low)	-211.760	-211.692	P(Natural soil fertility = Very High)
P(Water availability = Very Low)	-211.772	-211.719	P(Water availability = Very High)

Tornado graph for 5.0% percentile (Iron gap per person (mg_yr))

Current graph for 5.0% percentile (Iron gap per person (mg_yr)) = -7654.753



management = Very High)	-7663.424	-7647.839	management = Very Low)
P(Soil fertility = Very High)	-7663.341	-7648.585	P(Soil fertility = Very Low)
P(Biophysical suitability = Highly Suitable)	-7655.962	-7644.006	P(Biophysical suitability = Very Poor)
P(Effect of soil fertility constraints = Very High)	-7663.527	-7653.059	P(Effect of soil fertility constraints = Very Low)
P(Effect of climatic constraints = Very Low)	-7657.896	-7652.111	P(Effect of climatic constraints = Very High)
P(Ability to hire labor = Low)	-7655.137	-7652.079	P(Ability to hire labor = High)
P(Ability to irrigate = Very High)	-7655.060	-7653.475	P(Ability to irrigate = Very Low)
Annual mean temperatures = [35.0]	-7655.407	-7653.836	Annual mean temperatures = [10.0]
P(Rainfall regime = Sub-humid)	-7655.603	-7654.069	P(Rainfall regime = Semi-arid)
P(Farm income = Low)	-7655.044	-7654.366	P(Farm income = High)
P(Rainfall adequacy = Medium)	-7654.816	-7654.708	P(Rainfall adequacy = Very Low)
P(Pest & disease management inputs = Very Low)	-7654.793	-7654.721	P(Pest & disease management inputs = Very High)
P(Natural soil fertility = Very Low)	-7654.784	-7654.718	P(Natural soil fertility = Very High)
P(Water availability = Very High)	-7654.769	-7654.703	P(Water availability = Very Low)



Fruit production area (ha) = [55.0 - 56.5]	5383.884	5761.199	Fruit production area (ha) = [50.0 - 55.5]
P(Pest and disease pressure = Very High)	5417.261	5757.662	- P(Pest and disease pressure = Very Low)
Total production area (ha) = [8.02 - 10.0]	5492.916	5831.314	- Total production area (ha) = [0.1 - 0.55]
Non_fruit production area per person (ha) = [0.02475 - 0.1]	5405.521	5735.264	- Non_fruit production area per person (ha) = [0.0 - 0.001]
Non_fruit yield (kg_ha_yr) = [1000.0 - 1383.0788111402449]	5405.842	5672.666	- Non_fruit yield (kg_ha_yr) = [16258.521956487835 - 20323.152445609794]
P(Pest & disease management effectiveness = High)	5490.405	5609.426	- P(Pest & disease management effectiveness = Low)
P(Water needs = Very High)	5468.419	5571.034	- P(Water needs = Very Low)
P(SFM quality = Very High)	5474.402	5557.528	- P(SFM quality = Very Low)
P(Soil fertility needs = Low)	5493.768	5539.736	- P(Soil fertility needs = Very High)
P(Germplasm quality = High)	5486.323	5528.738	- P(Germplasm quality = Low)
Household size = [2 - 2]	5491.628	5522.973	- Household size = [10 - 10]
Losses due to biophysical unsuitability (%) = [0.0 - 1.0]	5502.496	5530.698	- Losses due to biophysical unsuitability (%) = [72.0 - 90.0]
P(Temperature suitability = High)	5501.446	5523.322	- P(Temperature suitability = Very Low)
P(Soil fertility = Very High)	5496.103	5514.482	- P(Soil fertility = Very Low)
P(Water sufficiency = Very Low)	5491.392	5509.523	- P(Water sufficiency = Very High)
P(Labor constraints to postharvest and storage = Very High)	5498.737	5515.018	- P(Labor constraints to postharvest and storage = Very Low)
P(Biophysical suitability = Highly Suitable)	5503.355	5516.109	- P(Biophysical suitability = Very Poor)
P(Household labor availability = Low)	5497.586	5508.428	- P(Household labor availability = High)
P(Effect of soil fertility constraints = Very High)	5497.311	5506.713	- P(Effect of soil fertility constraints = Very Low)
P(Effect of climatic constraints = Very Low)	5501.083	5507.636	- P(Effect of climatic constraints = Very High)
P(Ability to hire labor = Low)	5504.060	5508.890	- P(Ability to hire labor = High)
P(Labor constraints to irrigation = Very High)	5503.415	5506.275	- P(Labor constraints to irrigation = Very Low)
P(Labor constraints to Soil Fertility Management (SFM) = Very High)	5503.379	5506.143	- P(Labor constraints to Soil Fertility Management (SFM) = Very Low)
P(Labor constraints to pest and disease management = Very High)	5503.417	5506.088	- P(Labor constraints to pest and disease management = Very Low)
P(Rainfall regime = Sub-humid)	5503.632	5505.466	- P(Rainfall regime = Semi-arid)
Annual mean temperatures = [35.0]	5503.895	5505.698	- Annual mean temperatures = [10.0]
P(Farm income = Low)	5504.208	5505.282	- P(Farm income = High)
P(Ability to irrigate = Very High)	5504.615	5504.887	- P(Ability to irrigate = Very Low)
P(Rainfall adequacy = Medium)	5504.595	5504.721	- P(Rainfall adequacy = Very Low)
P(Water availability = Very Low)	5504.600	5504.685	- P(Water availability = Very High)
P(Pest & disease management inputs = Very Low)	5504.625	5504.695	- P(Pest & disease management inputs = Very High)
P(Natural soil fertility = Very Low)	5504.639	5504.707	- P(Natural soil fertility = Very High)