

Staff presented results using 1,440 scenario runs for each biofuel. Each scenario run uses one parameter set by employing variations of values for five parameters detailed below. The ARB_parameter.prm file provided in ARB1402.zip as posted on the Purdue website is an example of a parameter file to run a single GTAP scenario. Values for the five parameters in the ARB_parameter.prm are presented below.

Table 1. Baseline ETA values

[illegible]

2. YDEL= 0.10 listed in the parameter file is an example.
3. PAEL_US value of 0.10 and PAEL_Brazil value of 0.15 listed in the parameter file is an example.
4. Baseline ETL1 and ETL2 values shown in Table 2 below:

Table 2. Baseline ETL1 and ETL2 values

Region	ETL1	ETL2
1 USA	-0.02	-0.75
2 EU27	-0.02	-0.75
3 BRAZIL	-0.2	-0.75
4 CAN	-0.02	-0.25
5 JAPAN	-0.2	-0.5
6 CHIHKG	-0.2	-0.25
7 INDIA	-0.1	-0.25
8 C_C_Amer	-0.02	-0.25
9 S_o_Amer	-0.1	-0.5
10 E_Asia	-0.2	-0.5
11 Mala_Indo	-0.3	-0.25
12 R_SE_Asia	-0.3	-0.5
13 R_S_Asia	-0.1	-0.75
14 Russia	-0.02	-0.75
15 Oth_CEE_CIS	-0.02	-0.75
16 Oth_Europe	-0.02	-0.25
17 MEAS_NAfr	-0.02	-0.25
18 S_S_AFR	-0.3	-0.25
19 Oceania	-0.02	-0.25

For further clarification, the ARB 1,440 scenarios are a result of varying five parameters shown in Table 3 below:

Table 3. Variations in parameter values

Parameter		Values
YDEL		0.05, 0.1, 0.15, 0.2, 0.25, and 0.3
PAEL	US	0.1, 0.2, 0.4 and 0.6
	Brazil	0.1, 0.15, 0.2, 0.3
ETA		Baseline values listed in the parameter file are from Table 1 above. Scenarios include baseline values, 80% and 120% of baseline. Note that 80% implies that all values in the matrix are varied together.
ETL1		Baseline values listed in Table 2. Scenario runs include baseline, 80%, 90%, 110% and 120% of baseline values. Note that ETL1 and ETL2 are varied together.
ETL2		Baseline values listed in Table 2. Scenario runs include baseline, 80%, 90%, 110% and 120% of baseline values.

To get to 1,440 scenario combinations:

(6 YDEL values)x (4 PAEL_US values)x (4 PAEL_Brazil values)x (3 ETA range values)x(5 ETL1 and ETL2 range values)= 1,440 scenarios.