

BIOX Corporation CA-GREET Model for WDGs Corn Oil

The applicant has conducted its analysis of direct effects on carbon intensity for this pathway using CA_GREET, v.1.8b (DEC. 2009). The standard inputs and parameters specified in CA_GREET remain unchanged except as noted in the input table below.

BIOX Input Data Table

Parameters	Cell Locations	Original GREET values	Company values	Note
Electric Power	C2 - Region1 LT	\$A\$652:\$A\$658	\$A\$652:\$A660	Add Canada to drop down menu
	K83-Regional LT	2.7%	0.0%	Change Canada to Ontario Marginal Power
	K84-Regional LT	18.9%	95.8%	
	K85-Regional LT	50.7%	0.0%	
	K86-Regional LT	18.7%	0.0%	
	K87-Regional LT	1.3%	0.8%	
	K88-Regional LT	7.7%	3.4%	
Corn Oil transport truck	IH93-T&D	50	190	Transportation distance
Total Energy	B12-BD	2,116	3,131	BD Processing Energy
Yield	B19-BD	1.04	1.00	
NG	M172-BD	42.0%	56.2%	
Power	M175-BD	2.2%	6.2%	
Methanol	M177-BD	40.9%	27.6%	
Sodium Hydroxide	M178-BD	2.0%	1.3%	
Sodium Methylate	M179-BD	9.9%	6.7%	
Hydrochloric acid	M180-BD	3.0%	2.0%	
Rail Transport	GE93-T&D	1400	2500	BD Transport