

# Duonix Beatrice, LP CA-GREET Model

The applicant has conducted its analysis of direct effects on carbon intensity for this pathway using CA-GREET 1.8b

(See <http://www.arb.ca.gov/fuels/lcfs/ca-greet/ca-greet.htm>). The standard inputs and parameters specified in CA-GREET remain unchanged except as noted in the input table below. The input table below specifies the spreadsheet location of the CA-GREET inputs and other parameters that were claimed as confidential business information or trade secret by the applicant, but it does not disclose the actual value of such inputs and parameters because they are claimed to be confidential business information or trade secret.

Duonix Beatrice, LP Input data table (Locations of cells containing Confidential Business Information are shown, but the actual values of such confidential information are not disclosed):

Parameters	Cell Locations	Original GREET values	Company values	Note
Corn oil use	BD!B19	1.04	Confidential Business Information	
Glycerin coproduct yield	BD!C39	0.105	Confidential Business Information	
NG use for biodiesel production	BD!M187	889	Confidential Business Information	
Electricity use for biodiesel production	BD!M190	47	Confidential Business Information	
Methanol use for biodiesel production	BD!M192	865	Confidential Business Information	
Corn oil transport distance (miles)	T&D!GB93	50	Confidential Business Information	

Biodiesel rail transport distance (miles)	T&D!GE93	1400	Confidential Business Information	
Table Title	EtOH!B250	Table 3: Corn Oil Transport GHG Emissions (by rail) g/MMBtu	Confidential Business Information	
VOC from corn oil transport	EtOH!C252	=T&D!GE117	Confidential Business Information	
CO from corn oil transport	EtOH!C253	=T&D!GE118	Confidential Business Information	
CH4 from corn oil transport	EtOH!C254	=T&D!GE123	Confidential Business Information	
N2O from corn oil transport	EtOH!C255	=T&D!GE124	Confidential Business Information	
CO2 from corn oil transport	EtOH!C256	=T&D!GE125	Confidential Business Information	
Table Title	EtOH!B274	Table 3: BD Transport and Distribution GHG Emissions (by truck) g/MMBtu	Confidential Business Information	
VOC from biodiesel transport	EtOH!C276	=T&D!CL150+BD!Q212+BD!Q213	Confidential Business Information	
CO from biodiesel transport	EtOH!C277	=T&D!GB118	Confidential Business Information	
CH4from biodiesel transport	EtOH!C278	=T&D!GB123	Confidential Business Information	
N2O from biodiesel transport	EtOH!C277	=T&D!GB124	Confidential Business Information	
CO2 from biodiesel transport	EtOH!C280	=T&D!GB125	Confidential Business Information	
Carbon in Fuel	EtOH!E296	3.67	Confidential Business Information	