

**Diesel emissions**SimaPro 9.0.0.49  
ProjectImpact assessment  
UZEI\_pouze export

15.11.2019

Calculation:

Analyse

Results:

Impact assessment

1 MJ Diesel, burned in agricultural machinery {GLO}|  
diesel, burned in agricultural machinery | APOS, S (of  
project Ecoinvent 3 - allocation at point of substitution -  
system)

Product:

Method:

ReCiPe 2016 Endpoint (H) V1.03 / World (2010) H/A

Indicator:

Characterisation

Skip categories:

Never

Exclude infrastructure processes:

No

Exclude long-term emissions:

No

Sorted on item:

Impact category

Sort order:

Ascending

**ENDPOINT**

Impact category	Unit	Diesel, burned in agricultural machinery {GLO}  diesel, burned in agricultural machinery   APOS, S
Global warming, Human health	DALY	1.77156E-07
Global warming, Terrestrial ecosystems	species.yr	5.34585E-10
Global warming, Freshwater ecosystems	species.yr	1.46026E-14
Stratospheric ozone depletion	DALY	4.49032E-11
Ionizing radiation	DALY	5.91637E-11
Ozone formation, Human health	DALY	1.07841E-09
Fine particulate matter formation	DALY	2.89708E-07
Ozone formation, Terrestrial ecosystems	species.yr	1.56143E-10
Terrestrial acidification	species.yr	1.82908E-10
Freshwater eutrophication	species.yr	3.45387E-11
Marine eutrophication	species.yr	6.68141E-15
Terrestrial ecotoxicity	species.yr	6.39234E-12
Freshwater ecotoxicity	species.yr	3.16844E-12
Marine ecotoxicity	species.yr	6.89969E-13
Human carcinogenic toxicity	DALY	4.30133E-08
Human non-carcinogenic toxicity	DALY	1.22576E-07
Land use	species.yr	1.27586E-10
Mineral resource scarcity	USD2013	0.000405812
Fossil resource scarcity	USD2013	0.0179979
Water consumption, Human health	DALY	1.48167E-09
Water consumption, Terrestrial ecosystem	species.yr	8.91529E-12
Water consumption, Aquatic ecosystems	species.yr	5.64934E-16

**MIDPOINT**

Impact category	Unit	Diesel, burned in agricultural machinery {GLO}  diesel, burned in agricultural machinery   APOS, S
Global warming	kg CO2 eq	0.190899892
Stratospheric ozone depletion	kg CFC11 eq	8.46236E-08
Ionizing radiation	kBq Co-60 eq	0.00697211
Ozone formation, Human health	kg NOx eq	0.001185013
Fine particulate matter formation	kg PM2.5 eq	0.000460852
Ozone formation, Terrestrial ecosystems	kg NOx eq	0.001210426
Terrestrial acidification	kg SO2 eq	0.000862869
Freshwater eutrophication	kg P eq	5.15734E-05
Marine eutrophication	kg N eq	3.93125E-06
Terrestrial ecotoxicity	kg 1,4-DCB	0.559982587
Freshwater ecotoxicity	kg 1,4-DCB	0.004574892
Marine ecotoxicity	kg 1,4-DCB	0.006567048
Human carcinogenic toxicity	kg 1,4-DCB	0.012955675
Human non-carcinogenic toxicity	kg 1,4-DCB	0.537335978
Land use	m2a crop eq	0.014383504
Mineral resource scarcity	kg Cu eq	0.001756649
Fossil resource scarcity	kg oil eq	0.052299229
Water consumption	m3	0.000938512