

# Overview

## Environmental Risks

Carbon  
Footprint

Water  
Footprint

Deforestation  
Risk

Biodiversity  
Loss

Contamination

Almonds	1.90	16,095	5,973	!	
Fababeans	0.56	2,018	36,614		
Cashew	1.56	14,218	382,541		!
Chickpeas	0.67	4,177	111,049		
Coconut	1.78	2,687	290,699	!	
Cow peas	0.48	6,906	123,591		
Dry beans	0.67	10,515	1,065,640		
Hazelnut	1.07	5,053	2,193	!	!
Lentils	1.03	5,874	26,443		
Oats	0.70	1,788	13,953		!
Palm oil	0.80 / 2.32*	1,098 / 4,971*	6,277,933	!	!
Peas	0.58	1,979	53,875		
Quinoa	0.96	3,306	41,253	!	
Soy	0.60 / 2.30*	2,145	4,793,011	!	
Tapioca	0.32	2,818	2,092,113		!
Wheat	0.67	1,827	471,894		!
Beef**	27.72	15,415	29,806,822***		
Butter	9.90	5,553	no data		
Cheese	9.29	5,060	no data		
Chicken	4.24	4,325	no data		
Egg	3.23	3,265	no data		
Lamb	27.21	10,411	no data		
Milk	2.10	921	no data		
Pork	5.79	5,988	no data		



High-risk attention areas

\* The figures reported correspond to footprints linked to, respectively, the production of crop (nuts or beans) and the oil.

\*\* Several animal products are included for comparison.

\*\*\* Cattle is known to be the largest contributor to global deforestation.

\*\*\*\* The deforestation risk is based on data valid until 2018, lacking therefore updates since that date.

### Thresholds

Carbon footprint  
(kg CO<sub>2</sub>eq/kg)

Water footprint  
(m<sup>3</sup>/ton)

Deforestation risk\*\*\*\*  
(2005–2018, in ha)

Low	0 – 1.5	0–2,000	0–10,000
Relatively low	1.5 – 2.0	2,000–4,000	10,000 – 40,000
Moderate	2.0 – 4.0	4,000–6,000	40,000 – 80,000
Relatively high	4.0 – 8.0	6,000–8,000	80,000 – 500,000
High	> 8.0	> 8,000	> 500,000

Note: For a full overview of approach and methods used to create this table, including an extensive list of sources, please visit the [website](#).



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## Potential Social Risks

	Labour Conditions	Child Labour	Gender Issues	Health & Safety	Land Appropriation	Livelihood Issues	Reputational Risk
Almonds	USA, Spain		USA	Global, USA			
Fababeans	Lithuania, UK		Lithuania	Asia, Africa, Mediterranean Basin			
Cashew	Global, India, Vietnam	Vietnam, Guinea, Brazil	India, Benin, Tanzania	Global			
Chickpeas	India	India, Turkey	Global, India				Russia, Ukraine
Coconut	Indonesia, Philippines	Philippines		Global			Philippines (corruption)
Cow peas							
Dry beans	China			Global		Low and middle income countries	
Hazelnut	Turkey	Turkey				Italy	
Lentils	Turkey	Turkey	Global				
Oats					Canada		Russia, Ukraine
Palm oil	Global, Indonesia, Malaysia	Malaysia, Indonesia	Tropical countries	Tropical countries	Tropical countries	Tropical countries	
Peas	China						Russia, Ukraine, Belarus
Quinoa					Peru, Bolivia, Ecuador	Peru, Bolivia, Ecuador	
Soy	Brazil, China			Brazil	Brazil, Paraguay	Brazil, Paraguay	
Tapioca	Thailand, China, Cote d'Ivoire	Thailand	Global	Thailand			
Wheat	Pakistan, India		USA, Global			USA, Global	Russia, Ukraine

**The table displays producer countries at risk of social issues linked to the production of the selected commodities.** Due diligence should be at least implemented for the attention areas highlighted. However, not being flagged as an attention area does not mean social risks are absent nor does flagging a specific country/region imply that risks are not present in other production areas. It entails simply that such issues were not pervasive and did not become apparent in the overall research. Many social impacts are very delicate, rather invisible, and difficult to measure objectively. Moreover, not all commodity impacts are equally and/or systematically studied and reported.

Note: For a full overview of approach and methods used to create this table, including an extensive list of sources, please visit the [website](#).