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Effects & Impact - cocoa beans

Fig. 2 shows that, cocoa production makes the largest contribution to the environmental impacts of eutrophication, ozone layer depletion, freshwater aquatic eco-toxicity, human toxicity, and terrestrial eco-toxicity, with average contributions greater than 96%. The analysis revealed that production and use of fertilizers and pesticides were a major cause of the environmental burdens in the cocoa production stage.

Environmental impacts of cocoa production and processing ...

Cocoa Bean Effects & Impact. When the crops begin to accumulate weeds and pests, farmers use large amounts of herbicides to get rid of these pests. However, these herbicides are causing damage to the land and health of the people spraying the chemical as well as damaging the cocoa beans crops.

Environmentally friendly practices boost cocoa production ...

The environmental effects of cocoa production, such commonly as herbicide resistance and deforestation are becoming

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much more severe as demand for cocoa increases in present day. Contents [show]

What is the environmental impact of cocoa production?

Cocoa processing stage Industrialprocessingof cocoabeanswasfoundtobethemost predominant stage in the environmental impacts of photochem- ical ozone creation potential (95.84%), global warming poten- tial (80.89%), atmospheric acidi?cation potential (96.47%) and abiotic depletion potential (76.35%).

Environmental impact of cocoa production - Wikipedia

Intensive large scale cocoa production can also result in reductions in biodiversity and soil fertility, soil erosion, stream sedimentation and health and environmental problems associated with agrochemical application and run-off.

What are the effects of intensive commercial production of ...

Cocoa production has potential to do no environmental harm if properly managed, but best practices are not widespread, leading to soil erosion and ultimately further deforestation for new plantations. Soil erosion and fertilizer-use

Environmental Effects of Cocoa Production | weADAPT ...

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The study showed that the environmental impact of cocoa production manifest in the clearance of virgin forests for the expansion of cocoa farms (clearance of 117,240 hectares of forest resources ...

Environmental impacts of cocoa production and processing ...

Chocolate life cycle ?. They used a life cycle assessment and followed the ReCiPe impact assessment method? ?to assess six stages in chocolate manufacture: Raw materials (ingredients): ?production of sugar, milk powder, cocoa butter, vegetable fat, cocoa mass, flour, pasteurized eggs, salt, butter, whey powder and starch.

Environmental impacts of chocolate production and ...

new varieties. Finally, the general production environment may be conducive to these new technologies. Substantial adjustments may be required, and appropriate data on which to base these adjust- ments may not be available. PRODUCTION ENVIRONMENT Three major phases exist in cocoa production, The first is the

Economics of Cocoa Production

Environmental impacts of cocoa production and processing in Ghana: life cycle assessment approach. Submitted by anna laven on Fri, 21/09/2012 - 14:22. Title: Environmental impacts of cocoa production and processing in

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*Ghana: life cycle assessment approach ...
Ntiamoah, A., and Afrane G. Environmental
impact of cocoa life cycle assessment.pdf ...*

*Environmental Impacts Of Cocoa Production
Environmental impacts Full sun cocoa. Cocoa
farms are generally small, family owned and
operated businesses. There are approximately
4.5 million cocoa farms around the world. The
majority of cocoa farms are located in Côte
d'Ivoire and Ghana. In Ghana, Cocoa
contributes 64% of all exports.*

*7 Social Impact | Hi! I'm chocolate?
Ivory Coast deforestation. Up to 70% of the
world's cocoa is produced by 2 million
farmers in a belt that stretches from Sierra
Leone to Cameroon, but Ivory Coast and Ghana
are the giants, the world's first and second
biggest producers. They are also the biggest
victims of deforestation.*

*What is chocolate's biggest environmental
impact?*

*Bittersweet: chocolate's impact on the
environment. At least 2,000 years ago, people
in the Americas began cultivating the cocoa
tree for its dark, bitter beans, which they
brewed into a drink spiced with hot peppers.
Today, we blend the beans with milk and sugar
and call the stuff chocolate. And we eat
loads of it.*

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Environmental impact of cocoa production - WikiVisually

Production of sustainable cocoa significantly impacts the economies of many developing countries and provides livelihood for an estimated 40 to 50 million people globally. Unlike larger industrialized agribusinesses, the vast majority of cocoa still originates on family-run small farms that have limited access to resources and organized markets.

Environmental impacts of cocoa production and processing ...

Through the three-year project "Environmental Sustainability and Policy for Cocoa Production in Ghana" (ESP), more than 9,600 smallholder farmers have been incentivized to adopt sound farming practices that help reduce the effects of climate change and preserve the environment. Cocoa farmers and community agents have been trained in ...

Why Sustainable Cocoa Farming Matters for Rural ...

7 Social Impact The public has been aware of the sweatshop in clothing production, but we rarely question whether the chocolate production process is a fair one. There is a bitter truth behind the sweet chocolate.

Chocolate industry drives rainforest disaster in Ivory ...

The raw material impacts are mainly due to milk powder, cocoa derivatives, sugar and

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palm oil. The sensitivity analysis shows that the results for global warming potential are sensitive to land-use change (LUC) associated with cocoa production, increasing the impact of the chocolate products by three to four times if LUC is involved.

Environmental impacts of cocoa production and processing ...

All articles for the topic: Environmental Effects of Cocoa Production Ghana Agriculture Agricultural land in Ghana is used mainly for production of cereal, cocoa, oil palm, root vegetables, tubers, livestock raising, and irrigated farming in conjunction with shallot farming.

Bittersweet: chocolate's impact on the environment ...

The environmental effects of cocoa production – Background – Cocoa Beans are a high demand consumer item all over the world. They are used in products such as chocolate, candy bars, drinks and cocoa powder. However, cocoa farming and the production of cocoa beans are extremely fragile and

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