

# **ACTION FACT SHEET for AUDITORS**

## Sustainable animal feed

Goal

Procurement of animal feed that does not contribute to the destruction of habitats

The EU imports about 35 million tonnes of soy (*Glycine max*), corresponding to about 35 % of the global soy trade, mainly from South America. Brazil, Argentina, Paraguay, Uruguay and Bolivia produce over 50 % of the world soy and about 80 % of the soy produced in these countries is exported (Lambin et al., 2003; Nepstad et al., 2009; Teillard et al., 2016; Wassenaar et al., 2007) (Figure 1).

The worldwide demand for soy is driven mostly by animal production systems: about 75 % of the soy produced in the world is used as animal feed (WWF, 2016). This is not expected to change given that, despite a slowing growth rate, the global demand for food resulting from livestock production is expected to continue to increase, particularly in South Asia and Africa, after a period of rapid growth in Latin America (FAO, 2015).

Soy production grew tremendously over the last four decades and is still increasing (Cattelan and Dall'Agnol, 2018), being one of the main drivers causing the loss of primary forests, areas of cerrado and unique wetlands in the Amazon, Pantanal and Mato Grosso regions.

The European CAP regulations (EC, 2013) do not apply to South American agriculture. Therefore, the best practice is to prioritize the certified production of fodder in Europe. Importing from other biodiversity-certified sources is an alternative, but local production is preferable as it prevents Greenhouse Gas (GHG) emissions from transport.

Short description of the measure

Choosing not to import soy products from sources outside of the European Union also makes it easier to avoid genetically modified (GMO) varieties. More than 90 % of the soy produced in South America consists of GMO varieties (Trase, 2018). Currently, the use of 17 GM soybean varieties, for food or animal feed production, is allowed in the European Union (EU, 2019). However, products containing GM products for human consumption require compliance with the EU's labelling and traceability rules.

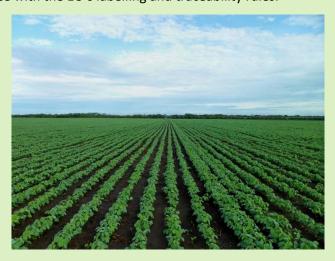


Figure 1 – More than 50 % of the world soybean production comes from South America.

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### **Timeframe** Feeding animals through the use of local pastures and complementing with certified feed produced in Europe or – if unavoidable – with feed imported from biodiversity-certified (When to start a measure and anticisources, are measures that should be standard practice all year-round and not necessarily pated time for imin any specific timeframe. plementation) **How auditors** Livestock are fed exclusively with pastures or locally produced fodder; can assess if the Any imported feed comes from biodiversity-friendly certified producers inside measure has the European Union; been imple-Any imported feed coming from locations outside the European Union comes mented with from biodiversity-friendly certified producers. good quality? Additional in-Evidence on the origin of any feed which has been imported should be available formation the auditor needs for and should provide enough information for an assessment to be made regardverification (if ing the existence of biodiversity-friendly certification. any) Effects on biodiversity Avoidance of deforestation and ecosystem destruction driv-(ecosystems, en by animal feed demand. species, soil biodiversity) Availability of enough area of local pastures to feed the livestock; Local production of animal fodder; Indicator/key data Documents attesting a biodiversity-friendly certified source for any imported feed. Cattelan, A.J., Dall'Agnol, A., 2018. The rapid soybean growth in Brazil. OCL -Oilseeds fats, Crop. Lipids 25, D102. EC, 2013. REGULATION (EU) No 1307/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 December 2013 establishing rules for direct payments to farmers under support schemes within the framework of the common agricultural policy and repealing Council Regulation. Off. J. Eur. Union L 347, 608-670. EU, 2019. EU Register of authorised GMOs [WWW Document]. EU Regist. References Genet. Modif. food Feed. URL https://webgate.ec.europa.eu/dyna/gm register/index en.cfm FAO, 2015. The second report on the state of the world's animal genetic resources for food and agriculture. FAO Commission on Genetic Resources for Food and Agriculture Assessments, Rome, Italy. Lambin, E.F., Geist, H.J., Lepers, E., 2003. Dynamics of land-use and land-cover change in tropical regions. Annu. Rev. Environ. Resour. 28, 205–241.

- Nepstad, D., Soares-Filho, B.S., Merry, F., Lima, A., Moutinho, P., Carter, J., Bowman, M., Cattaneo, A., Rodrigues, H., Schwartzman, S., McGrath, D.G., Stickler, C.M., Lubowski, R., Piris-Cabezas, P., Rivero, S., Alencar, A., Almeida, O., Stella, O., 2009. The end of deforestation in the Brazilian Amazon. Science (80-.). 326, 1350–1351.
- Teillard, F., Anton, A., Dumont, B., Finn, J.A., Henry, B., Souza, D.M., Manzano, P., Milà i Canals, L., Phelps, C., Said, M., Vijn, S., White, S., 2016. A review of indicators and methods to assess biodiversity Application to livestock production at global scale. Livestock Environmental Assessment and Performance (LEAP) Partnership, Food and Agriculture Organization of the United Nations (FAO), Rome, Italy.
- Trase, 2018. Trase Yearbook 2018, Sustainability in forest-risk supply chains: Spotlight on Brazilian soy. Transparency for Sustainable Economies, Stockholm Environment Institute and Global Canopy.
- Wassenaar, T., Gerber, P., Verburg, P.H., Rosales, M., Ibrahim, M., Steinfeld, H., 2007. Projecting land use changes in the Neotropics: the geography of pasture expansion into forest. Glob. Environ. Chang. 17, 86–104.
- WWF, 2016. Soy scorecard assessing the use of responsible soy for animal feed. WWF – World Wide Fund for Nature, Gland, Switzerland.

## **Further information: Knowledge Pool**

This Action Fact Sheet belongs to the training package for auditors of standard organisations and companies and was developed within the project LIFE Food & Biodiversity (Biodiversity in Standards and Labels of for the Food Industry). The main objective of the project is to improve the biodiversity performance of standards and sourcing requirements in the food industry by helping standard organisations to integrate efficient biodiversity criteria into their schemes and motivating food processing companies and retailers to include comprehensive biodiversity criteria into their sourcing guidelines.

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