

Incorporation of prunings into soils

Goal	Increase soil organic matter content and aggregate stability.
Short description of the measure	<p>Pruning residues of olive orchards or other permanent crops improve soil fertility and protect soil against water erosion.</p> <p>Pruning residues must be chopped on the ground and leave as cover.</p> <p>The pruning residues chopped must be spread on the soil surface without using tillage, these residues will be slowly decomposed protecting the soil in the long term. The chopping will be done as fine as possible in order to obtain the best results and to facilitate the rest of necessary labors for the field, as for instance the harvest. Once the pruning residues are chopped mechanically plagues risks such as borer disappear.</p>  <p>Pic 1: Clippings of the olive orchard are left behind and will be chopped and spread later.</p>
Timeframe (When to start a measure and anticipated time for implementation)	Just after pruning periods.
How auditors can assess if the measure has been implemented in a good quality?	<ul style="list-style-type: none"> ▪ The pruning residues must be spread in the surface, no labors must be used. ▪ Pruning residues must be chopped as much fine as possible. ▪ It is very important to take into account the sanitary control of the material that is contributed, to avoid risks, such as the possibility of increasing the incidence of verticillium wilt black.
Additional information the auditor need for verification (if any)	

Effects on biodiversity (ecosystems, species, soil biodiversity)	 <p>Increase microbial biomass activity and complexity in the soils that benefits the biodiversity.</p>
Indicator/key data	<p>Pruning residues chopped after pruning periods.</p>
Reference	<ul style="list-style-type: none"> ▪ www.juntadeandalucia.es/agriculturaypesca/ifapa/-/action/3a269130-1bb9-11df-b7e2-9dc1a0f432f2/e5747030-1bb8-11df-b7e2-35c8dbbe5a83/es/d37ec860-4634-11e0-9740-bd3181e5ef4b/alfresco-Document?i3pn=contenidoAlf&i3pt=S&i3l=es&i3d=e5747030-1bb8-11df-b7e2-35c8dbbe5a83&contentId=a665a388-9125-4a4b-a288-115cbe166dae ▪ www.sciencedirect.com/science/article/pii/S0304423812002555

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.

Editor: LIFE Food & Biodiversity; Fundación Global Nature

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