

Annex 2 – Personal Protective Equipment

(Safety and health in Forestry work, ILO Code of practice, 1998)

Table 1. Non-exhaustive list of personal protective equipment (PPE) appropriate for forestry operations

The choice of concrete for the Organization PPE should be made taking into account the results of the risk assessment that every employer is required to make in accordance with Art. 16 paragraph 1 pt. 1 of the Health and Safety at Work Act, as well as in compliance with the instructions given by the manufacturer of machines, dangerous substances and preparations.

Parts of the body to be protected	Feet	Legs	Trunk, arms and legs	Hands	Head	Eyes	Eyes/face	Hearing
PPE normally appropriate:	Safety shoes and boots ¹	Safety trousers ²	Tight-fitting clothes	Gloves	Safety helmet	Goggles	Visor (mesh)	Ear-muffs ³
Operations								
<i>Planting</i> ⁴								
Manual	✓			✓ ⁵				
Mechanized	✓		✓					✓ ⁶
<i>Weeding/cleaning</i>								
Smooth-edged tools	✓			✓		✓		
Handsaw	✓			✓				
Chain-saw	✓ ⁷	✓	✓	✓ ⁸	✓	✓	✓	✓
Brush saw								
- With metal blade	✓	✓	✓	✓	✓	✓	✓	✓
- With nylon filament	✓	✓		✓		✓		✓
Rotating knife/flail	✓		✓	✓				✓ ⁶
<i>Pesticide application</i>	To comply with those specified for the particular substance and application technique							
<i>Pruning</i> *								
Hand tools	✓ ⁹			✓	✓ ¹⁰	✓		
<i>Logging, cropping and cutting on pieces</i> ¹¹								
Hand tools	✓		✓	✓ ¹²	✓			
Chain-saw	✓ ⁷	✓	✓	✓ ⁸	✓		✓	✓
Hand tools	✓		✓		✓			✓
<i>Felling</i>								
Hand tools	✓			✓				
Mechanized	✓		✓	✓		✓		✓ ⁶
<i>Splitting</i>								
Hand tools	✓			✓		✓		
Mechanized	✓		✓	✓		✓		✓
<i>Extraction</i>								

Manual	✓			✓	✓ ¹³			
Chute	✓			✓	✓ ¹³			
Animal	✓			✓	✓ ¹³			
Mechanized								
- skidder	✓		✓	✓ ¹⁴	✓			✓ ⁶
- forewarder	✓		✓		✓			✓ ⁶
- cable crane	✓		✓	✓ ¹⁴	✓			✓ ⁶
- helicopter	✓		✓ ¹⁵	✓ ¹⁴	✓ ¹⁶	✓		✓
<i>Stacking / loading</i>	✓		✓	✓	✓			✓ ⁶
<i>Chipping</i>	✓		✓	✓	✓		✓	✓ ⁶
<i>Tree climbing</i> ¹⁷								
Using a chain-saw ¹⁸	✓ ⁷	✓	✓	✓ ⁸	✓ ¹⁹	✓	✓	✓
Not using chain-saw	✓				✓			

Notes: * If for the pruning is required climbing of trees higher than 3 meters, there must be used protective equipment against falls.

1 With integrated steel toes for medium or high pressure and / or cold-proof

2 Safety pants with pads; in hot weather / climate can be used leggings. Protective pants and leggings that are easily flammable and fusible should not be used for extinguishing fires.

3 Earplugs are generally not suitable for forestry activities because of risk of infection.

4 When planting chemically treated plants and during treatment of plants with chemicals PPE comply with chemical hazards.

5 When planting spiny seedlings or chemically treated plants.

6 When the noise level in the workplace exceeds 85 dB (A).

7 Safety boots with protected front and bowler.

8 Cut-resistant material attached on the rear side of the left hand.

9 Whenever possible injury by falling branches.

10 When pruning on height of over 2.5 meters.

11 Felling includes cross-cutting and removing branches.

12 When using a handsaw.

13 When the drawing of the material happens close to the unstable trees or branches.

14 Only when handling logs; when working with a winch or towing hook.

15 Well visible colors.

16 With chinstrap.

17 regarding the equipment for climbing trees, see Chapter 15 of this Code.(Safety and health in Forestry work, ILO Code of practice, 1998)

18 The use of chain-saws is forbidden for pruning of standing trees at a height greater than the height of the shoulders of the worker and for work in the crowns of standing trees.

19 Helmets for climbing are recommended; if those are not available, safety helmets with chinstraps can be used.

For all the above mentioned forestry activities is required the use of a vest with a signal color and reflective elements. For activities associated with work at height (typically over 1,5 m to the ground), including climbing trees, systems to protect against falls from height (safety belts / harnesses and ropes) are also required. When working outdoors in adverse weather conditions there shall be provided cold-proof clothing and shoes.