

The Sanitation Decision Support tool

Results of the Sanitation Decision Support Tool. The tool was created by WASTE (www.waste.nl) and the Akvo Foundation (www.akvo.org), in order to assist people in choosing sanitation technologies. We hope this tool proves useful, any comments can be send to m.t.westra@akvo.org.

Session information

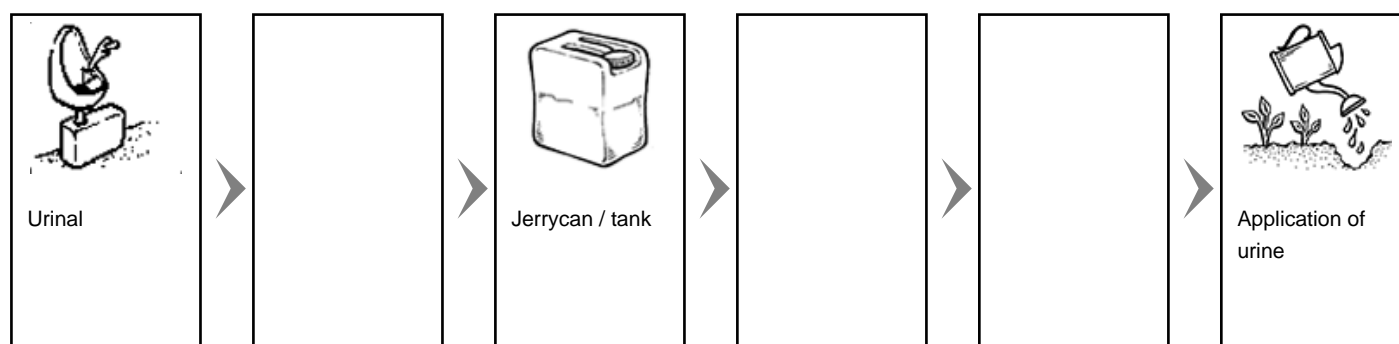
Date: Mon Jun 22, 2020

Time: 14:40:50

Options chosen

Water supply (one possible) <ul style="list-style-type: none">• <u>none</u>• fetched / hand-pump / standpipe / tanker• connection	Groundwater table (one possible) <ul style="list-style-type: none">• <u>shallow</u>• medium• deep	Soil type (one possible) <ul style="list-style-type: none">• clayey• <u>silty</u>• sandy / gravelly• rocky
Space availability (one possible) <ul style="list-style-type: none">• large• medium/large• medium• small/medium• <u>small</u>	Terrain / Topography / Slope (one possible) <ul style="list-style-type: none">• <u>flat</u>• slope	Anal cleansing method (more possible) <ul style="list-style-type: none">• water• <u>soft paper</u>• hard or bulky
Flood prone (one possible) <ul style="list-style-type: none">• not affected• frequent (low-lying area)	Vehicular accessibility (one possible) <ul style="list-style-type: none">• <u>no access</u>• limited / narrow access• full access	

Selected technologies



Links to Akvopedia articles

- Urinal:
<http://www.akvo.org/wiki/index.php/Urinal>
- Jerrycan / tank:
http://www.akvo.org/wiki/index.php/Jerrycan_-_tank
- Application of urine:
http://www.akvo.org/wiki/index.php/Application_of_Urine

Short descriptions

Urinal



Although the Urinal can be used with or without water, here is just considered as only used for collecting urine. Urinals are generally for men, although Urinals for women have also been developed. Urinals for women consist of raised foot-steps and a sloped channel or catchment area for conducting the urine to a collection technology. For men, Urinals can either be wall-mounted units that are vertical, or squat slabs that the user squats over.

Relevant options

Jerrycan / tank



Jerrycans are light, plastic containers that can be easily carried by one person and are readily available. When sealed, they can be used to store or transport urine easily and without spills. In case separated urine cannot be used near the point of production, it can be transported in a Jerrycan or tank to a central collection/storage facility or to agricultural land for application. On average, a person generates 1.5L of urine a day although this quantity may vary significantly depending on the climate and fluid consumption. A family of 5 can be expected to fill a 20L Jerrycan with urine in approximately two days. The urine can then be either stored on site or transported immediately.

Relevant options



Application of urine

Separately collected, stored urine is a concentrated source of nutrients that can be applied as a liquid fertilizer in agriculture to replace all or some commercial chemical fertilizer.

Relevant options
