

Short Rotation Woody Crops (SRC) plantations for local supply chains and heat use

Project No: IEE/13/574



Report on training events for farmers in Achenal / Germany

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Author: Dr. Stefan Hinterreiter, Biomassehof Achental GmbH & Co.KG, Germany

Editors: Dr. Christian Epp, Wolfgang Wimmer, Biomassehof Achental GmbH & Co.KG, Germany

Contact: Biomassehof Achental GmbH & Co.KG
Dr. Stefan Hinterreiter
Email: Stefan.Hinterreiter@biomassehof-achental.de
Tel: +49 (0) 8641 / 69 41 43 0
Eichelreuth 20
83224 Grassau, Deutschland
www.biomassehof-achental.de

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1 Introduction

The Biomass Trading Centre managed to organize a first training event in combination with two planting events in the region Achental, Germany. The first site and planting event was located nearby Vogtareuth und and the second one nearby St. Leonhard am Wonneberg. It has been a successful training event as the first step to establish new SRC plantations in the region Achental / Germany.

The second training event shall take place in combination either with a seedling campaign at a new SRC plantation nearby Waging am See or a harvest of the existing SRC plantation nearby Übersee. Further details about that event will follow.

Table 1: Training events for farmers in the region Achental/Germany

Location	Date	Number of participants	Number of received questionnaires
Vogtareuth and St. Leonhard	22./23.04.2015	15	2
Waging or Übersee	Jan/Feb 2016	30 – 40 (planned)	30 (planned)

2 Overview of training events

2.1 Summary

The first training has been organized by the Biomass Trading Centre by combining a brief summary of the main aspects of SRC for farmers with attending a planting event at the same time at the same/one site. Further details follow in the relevant chapter below. This first event was quite successful and a positive feedback was given by the attending participants. A positive feedback was given for the character of the event: the combination of theoretical knowledge-transfer and the implementation by planting a new SRC plantation.

This positive feedback was and will be the reason to arrange the next / second training event in the same way: transfer theoretical knowledge and implement the action at the same site. Only the practicability to get questionnaires back is quite challenging, because arranged as an “open” event on the site, the participants feel free to come and leave as they want.

Further information will follow according to the second training event, which is planned in early 2016.

2.2 Feedback from participants

The general feedback has been quite positive, only the amount of received questionnaires was disappointingly low (as already mentioned above). One positive issue has been, that the training event was combined with a planting event of a new SRC plantation. Therefore, the participants could at first get an overview of general and specific information about the right choice of SRC-seedlings in combination with the predominant soil properties and water/nutrition supply as well as the topics mentioned in Chapter 3.2.

Based on the received questionnaires, the program as well as the mentioned topics don't need to be improved for the second training event.

3 Training event 1

Training event at Vogtareuth and St. Leonhard.

3.1 Basic information

Location/ Country: Germany	Partner. BAT	No. of event: 1
No. of participants: 15	Place: Vogtareuth and St. Leonhard	Date: 22./23.04.2015
Target groups: Farmers		

3.2 Topics of the training event:

The following topics were discussed during the training events:

- Right choice of seedlings combined with the soil properties, nutrition and water supply
- Different rotation cycles/periods.
- SRC establishment / settlement (technics, advantages, ...)
- Face-to-face discussion with farmers about the advantages of SRC and their problems/difficulties/reservations with SRC
- CAP: possibility to receive subsidies.
- Possibilities for the usage of the woodchips out of SRC
- Practice example for soil preparation and example for ecological soil preparation
- Practice day: two new SRC plantations were planted (Vogtareuth and St. Leonhard)

3.3 Short summary: (goals, programme, feedback)

For this chapter, the summary in Chapter 2 can be used again.

3.4 Event agenda (invitation and programme)

Figure 1: Invitation to the first training events, published on the homepage of the Biomass Trading Centre (see <http://www.biomassehof-achental.de/news/items/einladung-zur-maschinellen-kup-pflanzung.html>)

Figure 2: Invitation to the event (see http://www.biomassehof-achental.de/tl_files/images/bioenergie_region/presstexte/Einladung%20maschnielle%20Pflanzung_klein.pdf)

3.5 Event photos

In the following chapter, several photos taken at the event in St. Leonhard are shown in Figure 3 to Figure 6.



Figure 3: Different SRC-species used for the new SRC plantations



Figure 4: Discussion at the training events between the participants



Figure 5: Planting machine “in action” at the new SRC site in St. Leonhard (1)



Figure 6: Planting machine “in action” at the new SRC site in St. Leonhard (2)

3.6 Others (media reports: newspapers, web page)

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Anfragen zu Gruppenreisen

Biomassehof Achenal GmbH & Co. KG
Eichelreuth 20
83224 Grassau
Tel.: 08641 – 694143-0
Fax: 08641 – 694143-29
info@biomassehof-achental.de

Öffnungszeiten:
Mo – Fr 07.00 – 16.00 Uhr
Sa. 09.00 – 12.00 Uhr (von Oktober bis einschließlich März)

SRC+
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Vorsicht Ölmulti!

Neue Kurzumtriebsplantagen wurden gepflanzt
18.05.2015 07:13

Grassau - Am 22. und 23.04.2015 konnten zwei neue Kurzumtriebsplantagen (KUPs) gepflanzt werden, wodurch der Biomassehof Achenal gemeinsam mit der Wald21 GmbH seinem Ansinnen weiter nachkommt, KUPs in der Region voranzubringen und zu etablieren. So erfolgte am 22.04. in Vogtareuth die maschinelle Anpflanzung einer ca. 3 ha großen Fläche. Durch den Maschineneinsatz konnte die Pflanzzeit deutlich gegenüber einer händischen Pflanzung reduziert werden. Eine Besonderheit an dieser Fläche ist, dass sie die durchschnittliche KUP-Größe in Bayern (2014: ca. 1,1 ha) deutlich übersteigt. Gleichzeitig zur Pflanzung konnten Wolfram Kudlich (Wald21 GmbH) und Wolfgang Wimmer eine Vielzahl an Fachinformationen weitergeben und zudem auf Fragen der interessierten Besucher eingehen.

Am darauffolgenden Tag erfolgte die maschinelle Anpflanzung einer weiteren KUP in St. Leonhard am Wonneberg. Auf dieser knapp 1 ha großen Fläche wurden in Zusammenarbeit mit Wald21 und dem ASP in Teisendorf verschiedene Pappel-Sorten angepflanzt. Dies erfolgte, um einerseits die Wuchsleistungen und -fähigkeiten der Pappeln in Realität zu sehen und andererseits um einen sog. Schaugarten für weitere Interessierte anzulegen. Auch auf dieser Veranstaltung konnten Wolfram Kudlich (Wald21 GmbH), Julia List (ASP Teisendorf) und Dr. Stefan Hinterreiter (Biomassehof Achenal) eine Vielzahl an Fachinformationen weitergeben sowie auf Fragen eingehen.

Video einer maschinellen KUP-Pflanzung:

Aktuelles
01.10.2015 06:37
Einladung zur Informationsveranstaltung
Informieren Sie sich über eine mögliche Nahwärmeversorgung für Schleching.
[Weiterlesen...](#)

17.08.2015 09:29
Nachruf
Der Biomassehof trauert um seinen langjährigen Mitarbeiter Maximilian Straub.
[Weiterlesen...](#)

12.08.2015 07:20
Der neue Newsletter ist verfügbar
Hier finden Sie den neuen bzw. aktuellen Newsletter
[Weiterlesen...](#)

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Bundesministerium für Ernährung und Landwirtschaft
aufgrund eines Beschlusses des Deutschen Bundestages

Figure 7: Article of the first training event, published at the homepage of the Biomass Trading Centre (see <http://www.biomassehof-achental.de/news/items/neue-kurzumtriebsplantagen-wurden-gepflanzt.html>)

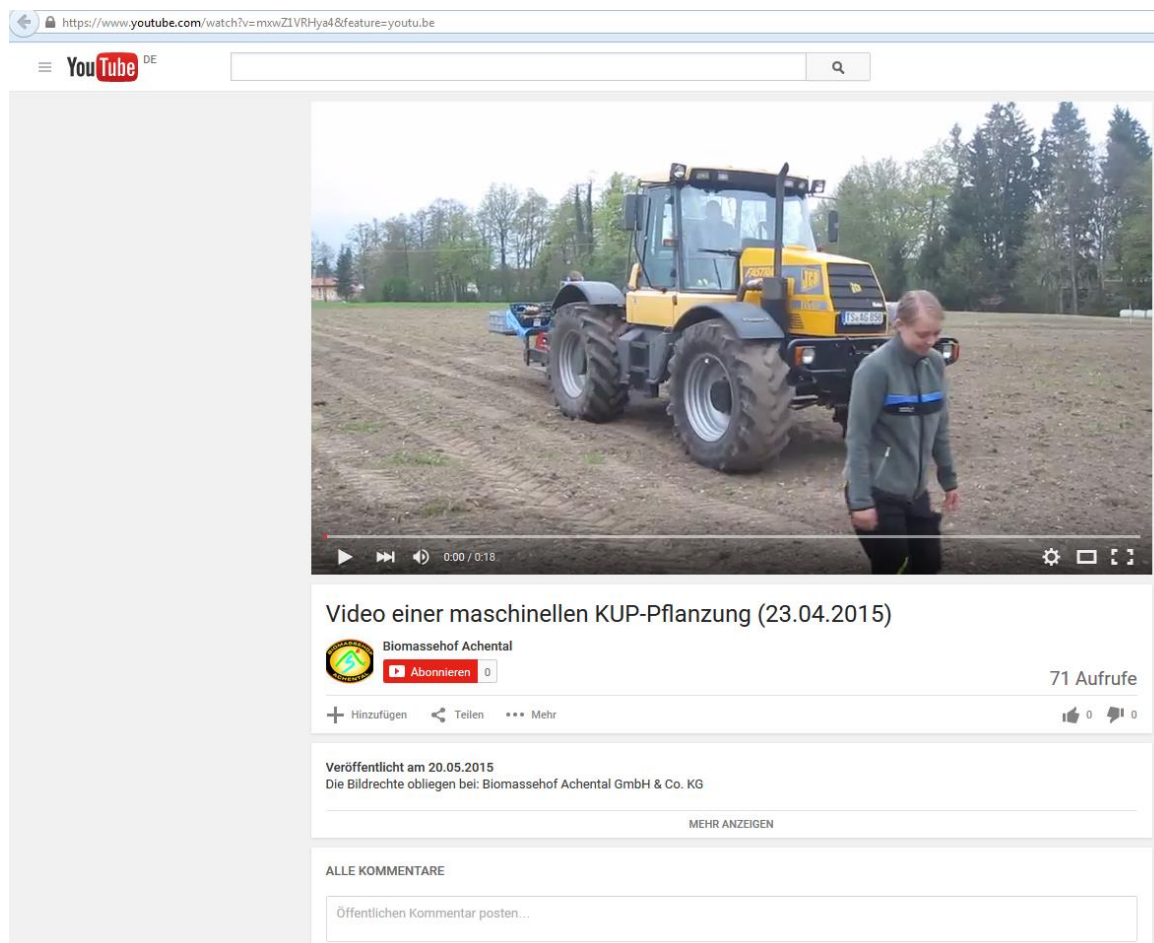


Figure 8: Video of the planting machine, published on Youtube (see <https://youtu.be/mxwZ1VRHya4>)

4 Material used in training activities

4.1 National

Table 2: National training material used in the first training event at Vogtareuth and St. Leonhard

Type of material	Format	Author(s)	Year	Title	Topics
Presentation	pdf	Dr. Thomas Horlitz	2011	Förderung von KUP im Rahmen von Programmen zur Entwicklung des Ländlichen Raumes	Subsidies, Advantages for farmers
Presentation	pdf	Hans-Moritz von Harling	2011	Wärmeversorgung eines Industrieunternehmens aus KUP	best practice example
Presentation	pdf	Dr. Dirk Landgraf	2011	Erfahrungen bei der Akquise von Flächen für KUP; Klon- und Stecklingsauswahl	Erfahrungen bei der Akquise von Flächen für KUP, Klon- und Stecklingsauswahl

Presentation	pdf	Wolfram Kudlich	2011	Erfahrungen bei der Anlage von KUP	Erfahrungen bei der Anlage von KUP
Homepage	electronic	Bundesministerium für Ernährung und Landwirtschaft	2015	EU-Agrarpolitik	
Excel-file	electronic	Landesanstalt für Entwicklung der Landwirtschaft und der ländlichen Räume (LEL)	2010	LEL - KUP- Rechner	
Article	pdf	Anja Böhrnsen - Zeitschrift profi	2014	Hackschnitzel vom Acker	
Homepage	electronic	AgroForNet	2015	Das Energieholz-Portal	all topics about SRC
Article	pdf	Martina Zacios, Jörg Niederberger, Hannes Seidl, Christoph Schulz, Lothar Zimmermann und Frank Burger	2012	Hydrologische und ökologische Aspekte bei Kurzumtriebsplantagen	siehe Titel
Article	pdf	Maria Bystricky, Frank Burger, Gabriele Weber-Blaschke und Martin Faulstich	2012	Bioenergie: Pappeln gut im Rennen	Advantages of poplars for SRC
Homepage	electronic	Frank Burger, Stefan Friedrich, Christina Schumann und Florian Zormaier	2012	Kurzumtriebsplantagen - LWF-Wissen 70	all topics about SRC
Homepage	electronic	NABU	2015	Forschungsprojekt zu Kurzumtriebsplantagen	Research project about the ecological influence of SRCs
Article	pdf	NABU	2012	Naturschutzfachliche Anforderungen für Kurzumtriebsplantagen	Relevant information about the influence of SRCs on environment
Homepage	electronic	Fachagentur Nachwachsende Rohstoffe	2015	Schnellwachsende Baumarten	all topics about SRC
Homepage	electronic	Bayerische Amt für forstliche Saat und Pflanzenzucht (ASP)	2015	Energiewald	all topics about the right SRC seedlings

4.2 European/International

Table 3: International training material used in the first training event at Vogtareuth and St. Leonhard

Type of material	Author(s)	Editor(s)	Year	Title	Topics
Handbook	Ioannis Dimitriou, Dominik Rutz	Rita Mergner, Stefan Hinterreiter, Laurie Scrimgeour, Ioannis Eleftheriadis, Ilze Dzene, Željka Fištrek, Tomáš Perutka, Dagnija Lazdina, Gordana Toskovska, Linda Drukmane, Dominik Rutz	2015	Sustainable Short Rotation Coppice - A Handbook	Site selection, selection of trees, cultivation, harvest, use of SRC woodchips, effects on environment, etc
European Standard	CEN (European Committee for Standardization)		2014	EN ISO 17225-1, Solid biofuels - Fuel specifications and classes - Part 1: general requirements (ISO 17225-1:2014)	see title

5 Lessons learned and adjustment of training concept for farmers

As already written, our opinion is not to change, adjust or improve our training concept because of the positive oral feedback of the participants. This can be approved according to the second training.