



Lycée Technique
Agricole

EUROPEA



6 – 7th November 2015

Deich, Ettelbruck

GRAND DUCHY OF
Presidency of
the Council of the
European Union. **luxembourg**

Programm

05.11.2015	14:00-20:00	Check in: 1 team / chalet
	20:00	Dinner at Restaurant Fuussekaul
06.11.2015	07:00	Breakfast at Conference room (next to shop; opposite road)
	08:00	Departure by bus
	09:00	Farm visits (choice of 2 different farms)
	12:00	Lunch at Hotel Lanners, Ettelbruck
	14:00	AGROLYMPICS
	17:30	Return to Fuussekaul by bus
	19:30	Dinner at Restaurant Fuussekaul
07.11.2015	07:00	Breakfast at Conference room (next to shop; opposite road)
	08:00	Departure to Ettelbruck by bus
	09:00	AGROLYMPICS
	12:00	Lunch at Däichhal
	14:00	AGROLYMPICS
	17:30	Return to Fuussekaul by bus
	19:00	Departure by bus to Luxembourg-City
	20:00	Closing dinner and winners ceremony at Hotel DoubleTree
	23:00	Return by bus to Fuussekaul
08.11.2015	08:00	Breakfast at Conference room (next to shop; opposite road)
	10:00	Departure of the teams by own minibus or transfer to airport

Instructions

- 1) The team leaders are responsible for the good behavior of their students during the whole stay; 24/24
- 2) The team leaders are responsible for the housekeeping (cleanness) in the chalets; they will have to pay all damages caused by their students
- 3) The busses are leaving exactly at 8:00 (Friday and Saturday) in front of the coffee-shop. Students must wear their working clothes and their AGROLYMPICS coat
- 4) **On Friday, the students may choose between two farm visits:**
 - a) **Reiff Jeff: farm machinery services and the world largest Fendt collection**
 - b) **Hahn Christian: HF dairy herd, Limousin suckler herd, pumpkin production**

Every bus will take the first 50 students/team leaders; no need to register!
- 5) The busses will not come back to Fuussekaul after the farm visits
- 6) The team leader is responsible that his team is ready to start the Agrolympics competition at time
- 7) After the bell rings, the teams move to the next task (see time table)

Rules

1. AGROLYMPICS is a competition open to students of the green sector. Participants must be current students.
2. Every country can send one team consisting of 4 students.
3. If a country cannot send a team, other countries may send more teams.
4. A maximum of 20 teams will be allowed to compete.
5. The National Coordinator of EUROPEA decides which team will represent his country. He will send in the registration formula.
6. Every team must be accompanied by at least one team-leader.
7. The team leader is responsible for the good behaviour of his team.
8. All team members must have a valid health insurance.
9. AGROLYMPICS consists of 18 different practical tasks.
10. Every task will last 15 minutes maximum.
11. Depending on the different tasks, one or more students of each team can solve the tasks.
12. The best team will be given 12 points per task, the second best 10 points, the third team 8, the fourth 7...

rank	points
1	12
2	10
3	8
4	7
5	6
6	5
7	4
8	3
9	2
10	1

13. The best team in every task will be honoured.
14. The 3 teams that totalise the highest score in all tasks will be honoured with special prizes.



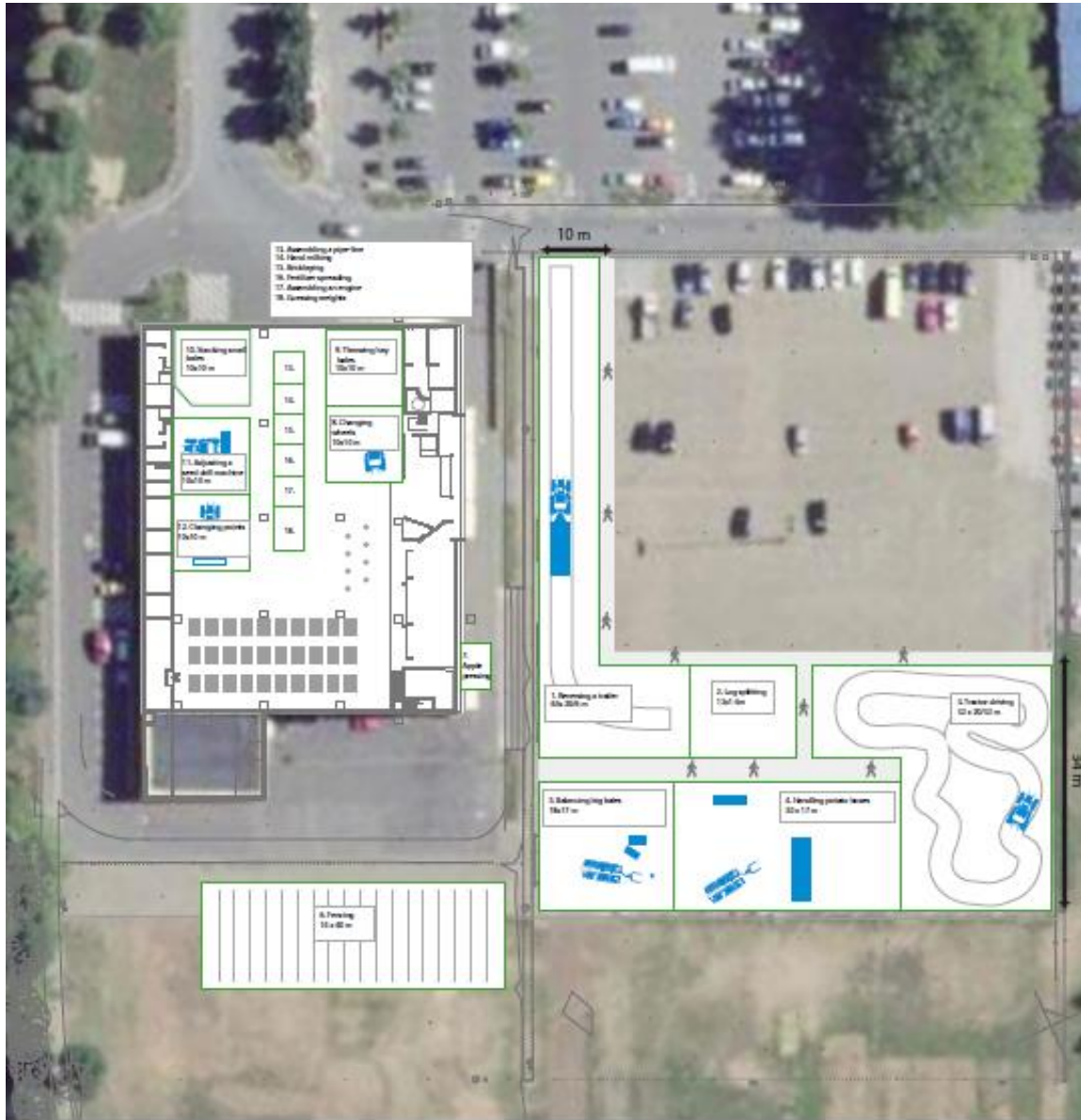
Lycée Technique Agricole

EUROPEA



GRAND DUCHY OF Luxembourg

Presidency of the Council of the European Union



Agrolympics 6-7.11.2015



Legend

- workshop space
- delimitation barrier for pedestrians
- pedestrian space
- delimitation warning tape

scale 1:500

Teams and starting order AGROLYMPICS

1	Austria 1	Steindl Werner
2	Sweden 1	Åkesson Lars
3	Czech Republic	Karel Frait
4	Denmark	Thaysen Jens
5	Estonia	Mägi Indrek
6	Germany	Beck Sabine
7	Hungary	Covic Judit
8	Netherlands	Mulde Evert
9	Poland	Noga Krzysztof
10	Romania	Krizán Tünde-Róza
11	Serbia	Kostov Dula
12	Slovenia	Rogelj Alojz
13	Spain	Vicente March Andreu
14	Austria 2	Forstner Christian
15	Sweden 2	Holm Christer
16	Switzerland	Gallandat Thierry
17	United Kingdom	Trounce James
18	Luxembourg 1	Schmit Georges
19	Finland	El Haouzi Minna
20	Luxembourg 2	Ruppert Jo

Tasks and responsibilities

1	Reversing a trailer (Jean-Marie Mossong, Isabelle Jacobs).....	9
2	Log splitting (Romain Tobes, Erhard Annen, Luc Zoller)	10
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Master Judge

Henri Kohnen

Timer

Cary Michels

Floristry

Danièle Link, Maryse Gales, Pascale Scaccia

Public Relations

Daniela Hau

Flying reporters

Marc Kails

Time table

				06.11.2015							07.11.2015													
				14:00	14:25	14:50	15:15	15:40	16:05	16:30	09:00	09:25	09:50	10:15	10:40	11:05	11:30	14:00	14:25	14:50	15:15	15:40	16:05	16:30
1	Austria 1	Steindl	Werner	1	2	3	4	5	6		7	8	9	10	11	12		13	14	15	16	17	18	
2	Sweden 1	Åkesson	Lars	2	3	4	5	6		7	8	9	10	11	12		13	14	15	16	17	18		1
3	Czech Republic	Karel	Frait	3	4	5	6		7	8	9	10	11	12		13	14	15	16	17	18		1	2
4	Denmark	Vester	Annette	4	5	6		7	8	9	10	11	12		13	14	15	16	17	18		1	2	3
5	Estonia	Mägi	Indrek	5	6		7	8	9	10	11	12		13	14	15	16	17	18		1	2	3	4
6	Germany	Beck	Sabine	6		7	8	9	10	11	12		13	14	15	16	17	18		1	2	3	4	5
7	Hungary	Covic	Judit		7	8	9	10	11	12		13	14	15	16	17	18		1	2	3	4	5	6
8	Netherlands	Mulder	Evert	7	8	9	10	11	12		13	14	15	16	17	18		1	2	3	4	5	6	
9	Poland	Noga	Krzysztof	8	9	10	11	12		13	14	15	16	17	18		1	2	3	4	5	6		7
10	Romania	Krizán	Tünde-Róza	9	10	11	12		13	14	15	16	17	18		1	2	3	4	5	6		7	8
11	Serbia	Kostov	Dula	10	11	12		13	14	15	16	17	18		1	2	3	4	5	6		7	8	9
12	Slovenia	Rogelj	Alojz	11	12		13	14	15	16	17	18		1	2	3	4	5	6		7	8	9	10
13	Spain	Vicente	March Andreu	12		13	14	15	16	17	18		1	2	3	4	5	6		7	8	9	10	11
14	Austria 2	Forstner	Christian		13	14	15	16	17	18		1	2	3	4	5	6		7	8	9	10	11	12
15	Sweden 2	Holm	Christer	13	14	15	16	17	18		1	2	3	4	5	6		7	8	9	10	11	12	
16	Switzerland	Gallandat	Thierry	14	15	16	17	18		1	2	3	4	5	6		7	8	9	10	11	12		13
17	United Kingdom	James	Trounce	15	16	17	18		1	2	3	4	5	6		7	8	9	10	11	12		13	14
18	Luxembourg 1	Schmit	Georges	16	17	18		1	2	3	4	5	6		7	8	9	10	11	12		13	14	15
19	Finland	El Haouzi	Minna	17	18		1	2	3	4	5	6		7	8	9	10	11	12		13	14	15	16
20	Luxembourg 2	Ruppert	Jo	18		1	2	3	4	5	6		7	8	9	10	11	12		13	14	15	16	17

1 Reversing a trailer (Jean-Marie Mossong, Isabelle Jacobs)

Instructions:

1. Every team has to reverse a 3 axle Wilton low trailer (9,90 m long) on a given circuit with a tractor Valmet T 214 Versu.
2. The driver may use the side mirrors and is allowed to turn his head and look backwards.
3. Each group can complete as many runs as are possible within the indicated time frame.
4. After each complete run the drivers must change in the initial order!
5. Only the “reverse” covered meters will be taken into account.



2 Log splitting (Romain Tobes, Erhard Annen, Luc Zoller)

Instructions:

The group (4 people) has to split wood into logs and pile firewood. The wood is splitted with a spalling hammer (3 kg), an aluminium wedge can be used if necessary. 15 minutes will be given to complete this part of the whole competition. At the beginning of the competition the judge will give the following (safety) instructions:

- wear a pair of safety glasses (placed at the disposal)
- wear a pair of gloves (to bring along)
- wear a pair of safety shoes (to bring along)
- work only in the permitted and safe "log splitting area"
- only pile firewood if nobody is splitting wood
- split the logs into minimum 4 pieces
- each row of the firewood pile has to have at least 6 logs

The group will be disqualified if it goes against the safety instructions (underlined). Penalty time will be given to the team if it goes against the other instructions.

The ranking will be based on the time that has been needed to complete the competition. Time stops when the last log is placed on the firewood pile. The position of the firewood pile is defined by drawing lots.



3 Tractor driving (Jean-Pierre Lesure, Luc Schreiber)

Instructions:

Show your skill in tractor driving!

-A driving course with different skill tests (seesaw, ring a bell, slalom, narrow passage, parking,...) offers a challenge with a small tractor (Deutz D40.2)

-The driver must be changed after every complete run

-Your task points will depend on your speed (seconds) but also on your accuracy, precision and caution

(Penalty seconds might be added: For example after touching the protection fence)



4 Handling potato boxes (Guy Majerus, Patricia Binsfeld)

Instructions:

The team has to stack 4 potato boxes with a teleporter Weidemann T-4512.

The first driver will put the first box in a defined place; the next drivers will have to stack their boxes up to a height of 4 boxes. After a box is put down, drivers will change. When the maximum height of 4 boxes has been reached, the team may start a new pile of 4 boxes.

If a box falls down, the teleporter must be stopped and the engine turned off before the next driver is allowed to continue stacking.

The number of stacked boxes within a maximum of 15 minutes will define the ranking.

In case of two or more teams reaching the same number of stacked boxes, the time of the last stacked box will determine the rank.



5 Balancing big bales (Guy Reiland, Janine Hierzig)

Instructions:

The group (4 people) form 2 teams of 2 people each. Each team has to put two round bales on a 0.70 m high standing tree trunk (0,50 m in diameter) as shown on the picture.

The job will be done with a tractor Valmet N121 HiTech with a front-loader and a plicier.

The first team begins. The round bales must be balanced for at least 15 seconds on the tree trunk. Then the round bales are transported to their initial place. Only now the second team is allowed to start and it has to do the same. In the end, the overall time is taken into account.

The winner is the group that has completed the task correctly. If there are more teams to do this, the team who has completed the task within the shortest amount of time will win.

Twenty minutes maximum will be given to complete this competition. If the group doesn't finish within the given time, it will be disqualified.



6 Fencing (Michèle Mangen, Sacha Milivojevic)

Instructions:

The teams have to set up a fence of 12 meters long (as in the picture). The day of the competition the teams will have the opportunity to have a look at an exemplary fence.

The sticks have to be driven in the soil by a hand pile-driver (pictures 1 and 2)

Distances a and d is defined by the length of the stanchion.

Distance b and c must be equal

The wire (no barbed wire) has to be put through the holes in the poles

The 4 wires have to be fixed onto the sticks.

At one end the 4 wires have to be fixed by a tensioner who is fixed to the stick by screws (pictures c and d)

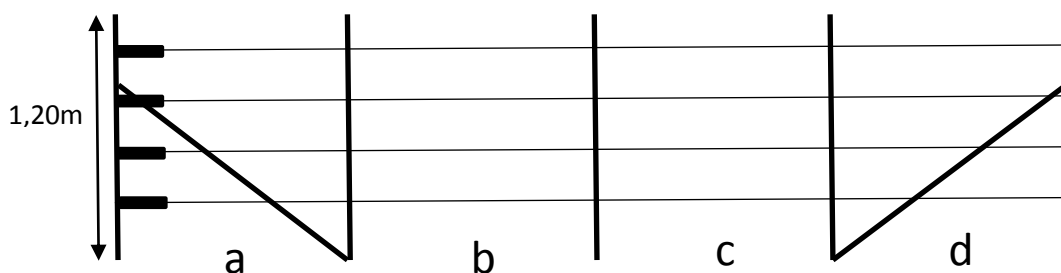
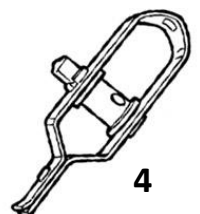
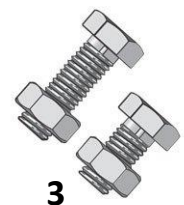
All necessary material will be provided (also gloves).

Before the start of the game no material can be touched

Time stops when the last tool is placed back on its marked place

Every part of the fence (sticks, stanchions, tensioner, wire), which is correctly mounted gives one point.

If the team finishes before time is up, the remaining time will give points.



7 Apple pressing (Thomas Völkening, Christel Gottschalk)

Instructions:

You have a box of apples at your disposal.

The grinder and presser function by manual operation (“manpower” will be necessary).

All the aids you are allowed to use will be provided by the organizer.

At the first part of the obstacle course the apples must be carried in small baskets from the whole team to a wheelbarrow and then you have to steer the wheelbarrow with the apples inside over the second part to the workplace.

All the apples have to be washed in a tub with water. Before you put the apples into the grinder you have to quarter them with a knife.

Then you need to grind the apples and place them in the press in order to press them professionally.

From there the juice runs directly into a measuring cup.



8 Changing wheels (Luc Brückler, Camille Eilenbecker)

Instructions:

1. The goal of the game is to figure out the quickest way to exchange a tractor's front wheels, by moving them from one side to the other (Renault 103.14 TS; 4 WD).
2. The quickest change within those 15 minutes will be taken into account for the final result.
3. The wheel bolts need to be tightened with a 350 Nm torque wrench.
4. The car-jack is put in the middle of the axis and needs to be lowered after each try.



9 Throwing hay bales (Gérard Conter, Danièle Feltes, Claude Merges, Danièle Schmit)

Instructions:

The target of this game is to throw a maximum of small straw bales (+/- 15 kg) on a stack of bales (approximately 2.5 x 5 m and 3.6 m high), using a pitchfork in 10 minutes time.

The 4 team members have to alternately throw the bales.

The lasting bales will be counted.

One bale on the stack = one point

One broken bale = two negative points



10 Stacking small bales (Jeff Boonen, Mich Santer, Jacques Karier)

Instructions:

Each team will have to stack a maximum of small square bales on a base surface of 2 x 3 m.
The team is free to decide how to stack the bales.

After 10 minutes the team players will have to leave the tower which has to stay for a minimum of 1 minute.

The number of bales on the surface will be counted in order to determine the team's rank!

One Bale on the tower = one point

One broken bale = two negative points



11 Adjusting a seed drill machine (Ronny Krier, Raffy Adam)

Instructions:

Each team has to adjust a seed drill (AMAZONE D9 3000 Super) and to check the settings with a calibrating test. The drill machine is fixed to a tractor Valmet T 214 Direct.

The following adjustments have to be set correctly:

- seed metering wheel
- shutter slide position
- bottom flap position
- agitator shaft

The gearbox has to be set to achieve the desired seeding rate. This seeding rate is randomly given to each group by the judge (e.g. 350 seeds per m²).

The working group itself must ensure to fill the seed box with a 50 kg bag of seeds, which is carried with a sack truck around an obstacle course.

The ranking will be based on the exactitude of the adjustments done by the different teams. If several teams do equal adjustments, the ranking of these teams will be based on the time it took the teams to calibrate the machine.



12 Changing points (Claude Felten, Joanna Weber)

Instructions:

You have to change all the points of a cultivator (Rolmako, 6 m, 65 points) fixed on a tractor Valmet N143 in 15 minutes.

The whole group may participate to do the work. In the beginning you will receive two open-end spanners. You must now take off **all** the points of the cultivator. You have to fix always the screw, the nut and the cultivator point together and to put them all together in a bucket.

After this work (taking off and putting all the points in the bucket), the whole group goes to the jury and will receive a bucket with the “new” points to change, one open-end spanner and a torque wrench.

You may now return to the cultivator and replace all the points. By tightening the nuts, the jury wants to hear always hear a “click” of the torque wrench, all nuts that were not tightened with the necessary firmness are not counted (penalty point of 5 sec/nut).

The ranking will be based on the time left of the 15 minutes you need to do the whole work. A penalty point of 20 sec is counted for each damaged screw.

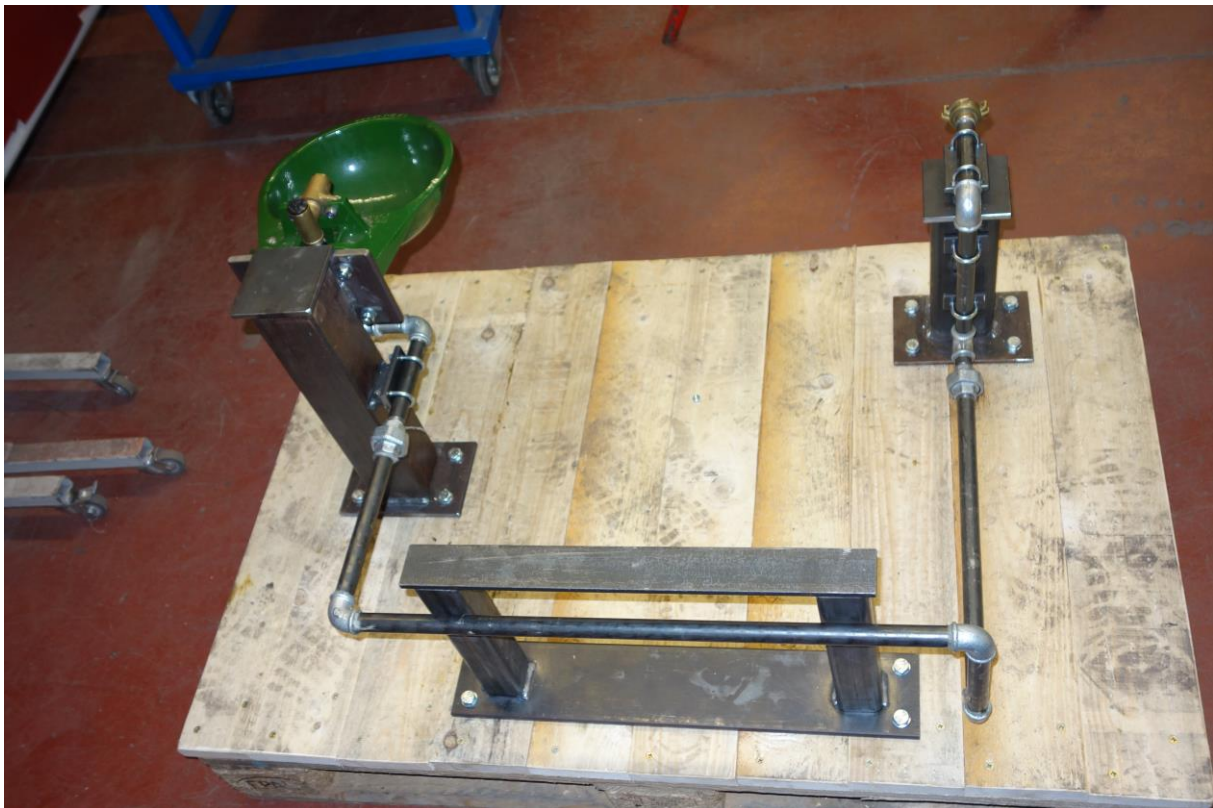


13 Assembling a pipe-line (Fred Sandron, Rosch Braun)

Instructions:

Within a 15 minute time frame, the team has to set up a functioning watering place by connecting it to a water source. In order to set the watering place up, a steel pipe of $\frac{1}{2}$ " diameter needs to be cut to size and screwed in place, so that it can be attached with pipe clamps to the indicated spots.

Each team has a steel pipe, 90° elbows to fix things, sealing material, and the necessary tools to cut the pipes at its disposal.



14 Hand milking (Marita Hoffmann, Mireille Majeres, Diane Birkel)

Instructions:

During a competition time of 5 minutes a fake cow has to be milked by the team (4 people). The cow udder is double sided, so that two group members are always milking together. Each group member can be replaced by another one, when he is tired or powerless.

Before starting the competition the team has to fill up the milking bucket in the fake cow. The working group itself must ensure during the competition to refill the cow with sufficient water in order to be able to milk the cow. When the milking bucket is full, the collected milk must be poured into the provided collection container.

While milking only bare hands are allowed. It is not allowed to pull on the teats.

Each competitor that will continue milking after the stop signal of the jury will be penalized with a deduction of 1 litre from the collected milk.

The ranking will be based on the amount of milk weight in g collected within those 5 minutes of competition.



15 Bricklaying (Tom Glod, Pascal Maringer)

Instructions:

- The teams have to built pyramid shaped walls by assembling concrete bricks (17,5 cm x 11cm x 24 cm) on a determined surface with a determined pattern as shown on the picture.



- The pyramid shaped wall has a base of 10 bricks
- One pyramid has to be finished before the next pyramid is built



- The bricks have to be stacked back on an empty pallet and the number of bricks that are back in time will be counted
- The team has to decide when they stop building and when they start to stack the bricks back on the palette

For example:

Team X

The pyramid shaped walls are made of 50 bricks but only 30 are back on the pallet in time.

Score: 30

Team Y

The pyramid shaped walls are made of 35 bricks and all 35 are back on the pallet in time.

Score: 35

16 Fertilizer spreading (Linda Steinmetz, Bea Faber)

Instructions:

The teams have to spread fertilizer (Calcium Ammonium Nitrate; 27% N) manually onto a fixed plot (1 m²).

The quantity that needs to be spread by ha will be indicated (for example: 75 kg N/ha).

Every team member has to spread that quantity.

The difference between the quantity that has been spread and the quantity that had been indicated will be measured.

The 4 differences in quantity will be added up to get the final difference, which will determine the team's rank.



17 Assembling an engine (Romain Debras, Oliver Hertl)

Instructions:

The team is supposed to reassemble a completely dismantled lawn-mower engine within 15 minutes. The fitting position of the individual components can be determined based on an exploded assembly drawing.

The team will get a point for each part that has been correctly put together or build in, as well as for each tightened screw. If, during assembly, a part is being broken or damaged by the team, like for example compression ring or screw thread, then the team's work will be interrupted and only those parts that have been assembled up to that point will be taken into account for the final scoring.

The number of correctly assembled parts determines the team's ranking.

The completely assembled engine will not be charged with axle grease nor will it be started. It must however be possible to manually spin it.



18 Guessing weights (Arthur Meyers, Alex Mesenburg)

Instructions:

1. Animals

The group has to guess the weight of 4 different animals. These are a cow, a goat, a hen and a rabbit.

The variance of the results in relation to the effective weight is taking in account to give the points and establish a classification.



2. Fodder

The group has to guess the weight of 4 different kinds of fodder. These are hay, straw, oat and lupin.

The variance of the results in relation to the effective weight is taking in account to give the points and establish a classification.