

# BRIEFING OF JUDGES & COMPETITORS



# GUIDELINES FOR CONVENTIONAL PLOUGHING



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 1. Opening Split (*Judged at plot*)

*The ploughmen must perform an opening split before the ploughing starts. 2 furrow ploughs perform 1 full round and stop. 3 furrow ploughs perform 1 run only and stop.*

- It is important that the opening split is neat and uniform throughout its full length, also in regard to the strip of soil ploughed up in the split. It is important that the outside edge of the split-furrows is in a line, parallel and uniform.

Otherwise it is up to the ploughmen how the split looks. The opening split may be:

Symmetrical / not symmetrical

+/- strip of soil in the bottom

Bottom different depth across.

- There should be no loose soil or plant material in the bottom of the split. It will also be considered a fault if plant material is visible between the bottom of the split and the turned furrow.
- The split must look natural and should not be heavily smeared due to excessive use of tailpiece.
- The split should not be run on / rolled on by wheels from the tractor or plough. But tracks / small marks that are not clearly visible from the headland is not a fault.

- The split must be cut through in its full width and throughout its full length from scratch mark to scratch mark. It is okay if the cut-through has been done by the mould board scraping the soil away. The Judge should, however, be very careful to control that all roots are cut or torn away.

- Indicative deduction for non-cutting, to be deducted from the otherwise assessed the scoring

- - Small Spot -1 point,
- Large Spot/first deep track -2 point
- Several Spayer tracks -3 points
- Several Spots and also tracks -4/5 points

- *Do not look at straightness*

- Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 1. Opening Split (*Judged at plot*)

**Good: Cut through.**

**Bad: Weed control, not uniform especially right side.**



**Good: Uniform and well cut through.**

**Okay: Use of tailpieces.**

**Bad: Loose soil in the bottom.**

**Note: Do not look at straightness.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 2. Crown - Weed Control (*Judged at plot*)

### (Closeness, Burying of Trash, Wheelmarks)

*Before doing the crown the ploughman is permitted to do an extra run to modify the split for the crown. During that run the tractor wheel must not touch any part of the split rippings (right tractor wheel has to drive in the bottom of the split). The ploughman decides himself how many visible furrows the crown will show:*

*2 furrow ploughs: 15 or 16 visible furrows in the crown.*

*3 furrow ploughs: 16 visible furrows in the crown.*

- All land must be cut through and the first furrow slices must be closed firmly together without holes or hollows. A V-line in the centre is permitted but only if it is firmly closed and stubble and trash well covered. The Judges must confirm that the middle of the crown is stable and not just a thin layer of soil you can step through.

- For the whole crown (15-16 furrows):

All plant material must be ploughed down (weed control) and there must be good firmness with no holes.

A sufficient layer of soil must be available for a good seed bed.

- Point must be deducted if tractor wheel marks appear in the crown. Indicative deductions for tractor wheel marks, to be deducted from the otherwise overrated the scoring:

Small Mark	1 point
Repeated Marks	1-2 points
Marks in the whole length	2-4 points

- *The first 2 metres in each end of the plot must **not** be evaluated – will be done under "Ins and Outs"*

- *Do not look at straightness*



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 2. Crown - Weed Control (*Judged at plot*)

(Closeness, Burying of Trash, Wheelmarks)

**Good: Weed control, seedbed, closed.  
No wheelmarks.**



**Good: Weed control, seedbed, closed, No  
wheelmarks.**

**Okay: Maybe one or two holes, depends on  
how it is to walk on.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 2. Crown - Weed Control (*Judged at plot*)

(Closeness, Burying of Trash, Wheelmarks)

**Bad weed control.  
Small holes in the crown.  
Seedbed is bad from this end (right  
first furrow is thin).  
No wheelmarks.**



**Bad: Seedbed.  
Bad: Holes in the crown, partly bad  
weed control.  
No wheelmarks.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 3. Crown - Uniformity (*Judged from headland*)

### (Height, Uniformity, Symmetrical, Connection, Seed Bed)

- All furrow slices in the crown (15-16 furrows) must be uniform throughout the full length and all the furrows must have the same shape, width, conform and be symmetrical with each other.
- The crown must appear to be of the same height as the furrows in the rest of the ploughed field.
- Excessive use of tailpieces will often disturb the conformity of the crown and often reduce the score.
- *The first 2 metres in each end of the plot must **not** be evaluated – will be done under "Ins and Outs"*
- *Do not look at wheel marks and straightness.*

Maximum 10 points.



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 3. Crown - Uniformity (*Judged from headland*)

(Height, Uniformity, Symmetrical, Connection, Seed Bed)

**Good height, very good uniform and conform (second furrow to the left is a little low/small).**



**Good height. Not conform and not symmetrical, (first furrow to left is small, mainly because of the use of tailpieces).**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 3. Crown - Uniformity. (*Judged from headland*) (Height, Uniformity, Symmetrical, Connection, Seed Bed)

**Bad conformity, not same shape and size of the furrows in the crown.  
A little high.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 4. Weed Control (*Judged at plot*)

(No weeds, stubble or grass should be visible. Skimmers must be used.)

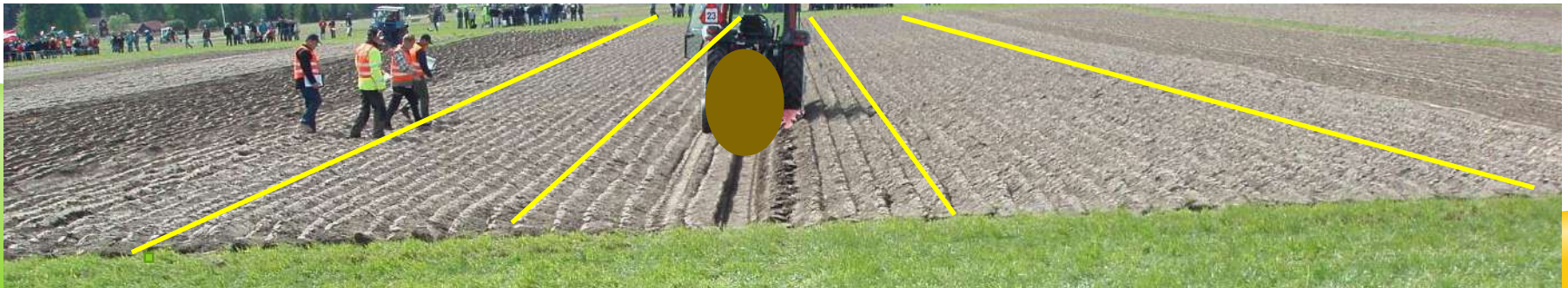
*Evaluated in "general work" only. **Not** in the 15/16 crown furrows and **not** in the 12 finish furrows.*

*The first 2 metres in each end of the plot must **not** be evaluated - will be done under "Ins and Outs"*

Skimmers must be used.

- All plant material must be completely ploughed under.
- All roots must be torn or cut through.
- Loose stubble, grass or straw falling or blown up on top of the furrow slices is not as serious a fault as plant material with roots not ploughed under. It is a fault, though, and must result in point deduction.

Maximum 10 points.



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 4. Weed Control (*Judged at plot*)

(No weeds, stubble or grass should be visible. Skimmers must be used.)

The first 2 metres will be judged in the "ins and outs".  
So here the main problem is an "ins and outs" problem.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 4. Weed Control (*Judged at plot*)

(No weeds, stubble or grass should be visible. Skimmers must be used.)

Example of good weed control





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 4. Weed Control (*Judged at plot*)

(No weeds, stubble or grass visible. Skimmers must be used.)

**Skimmers have not been used here and grass is visible between the furrows. This is a big mistake.**



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 5. Firmness of Furrows (*Judged at plot*)

**(Close & Firm Furrows. No Holes.)**

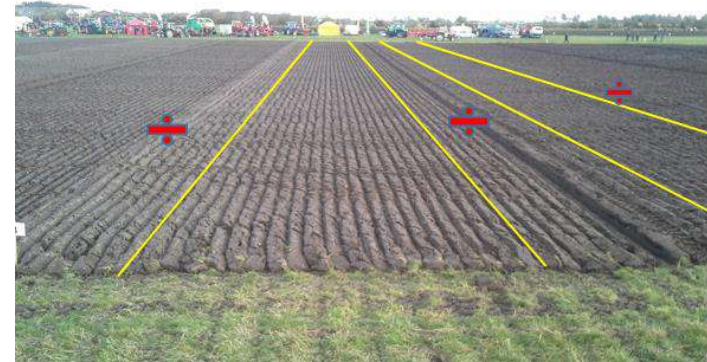
*Evaluated in "general work" only. **Not** in the 15/16 crown furrows, **not** in the 12 finish furrows and **not** the first 2 runs against the neighbour.*

*The first 2 metres in each end of the plot must **not** be evaluated - will be done under "Ins and Outs"*

- The furrows must be well turned and lie firm and close against each other with no holes in between.
- Each furrow must lie constant and cut through with no holes and cracks.
- Furrows must be packed as good as possible and be firm to walk on.
- Tractor wheel marks anywhere on the ploughed land must result in point deduction.

Maximum 10 points.

*It must be controlled that the ploughman has not been driving on the neighbouring plot and that his first furrows against the neighbouring plot are ploughed through. **In case of faults the judges must inform the Head Stewards.***





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 5. Firmness of Furrows (*Judged at plot*)

(Close & Firm Furrows. No Holes.)

**Note: We can't feel the furrow packing by looking at the picture and this is a big part of this judging.**

**A well packed soil, no holes between the furrows but there are a few holes in the furrow slides.**



**Excellent turned furrows with no holes or cracks. Have to walk at the furrows to decide how well packed it is.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 5. Firmness of Furrows (*Judged at plot*)

(Close & Firm Furrows. No Holes.)

**Note: We can't feel the furrow packing by looking at the picture and this is a big part of this judging.**

**This plot has too many cracks and holes. It is not well cut through. Because of that the firmness is probably soft – but has to be walked on to decide.**



**Okay turned furrows with very few holes between the furrows. A lot of cracks in the furrow slides. Cut through could be better.**



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 6. Soil for Seedbed (*Judged at plot*)

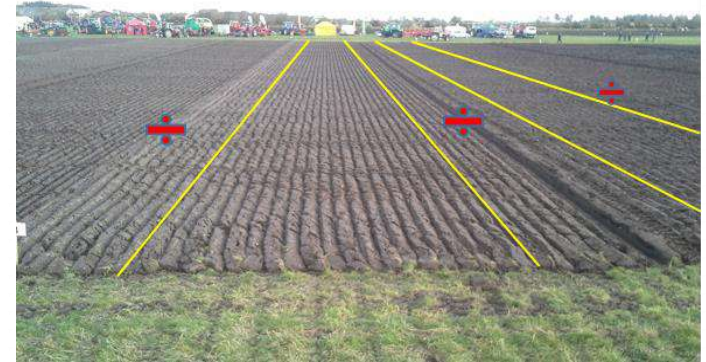
(Soil made available for future seedbed.)

*Evaluated in "general work" only. **Not** in the 15/16 crown furrows, **not** in the 12 finish furrows and **not** the first 2 runs against the neighbour.*

*The first 2 meters in each end of the plot must **not** be evaluated - will be done under "Ins and Outs"*

- The furrow slices must not stand on edge but should be well turned, leaving plenty of soil available for the future cultivation.
- The furrows can also be too flat, because the cultivator can lift up the thin furrow slides.
- You must be able to prepare the following seed bed with a harrow without lifting plant material upon the surface.

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 6. Soil for Seedbed (*Judged at plot*) (Soil made available for future seedbed.)

Okay soil for seedbed, could be better if the soil was turned a little more around.



Good soil for seedbed, plenty of soil for cultivator and no risk to pull up grass.



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 6. Soil for Seedbed (*Judged at plot*) (Soil made available for future seedbed.)

**Not well turned furrows and therefore not a good soil for seedbed.  
The lumpy furrows are not easy to cultivate and will have a risk of rolling up grass/stubble.**



**Poor soil for seedbed, could be better if the furrows were turned more around.  
The lumpy furrows are not easy to cultivate and will have a risk of rolling up grass/stubble.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 7. Uniformity of Furrows

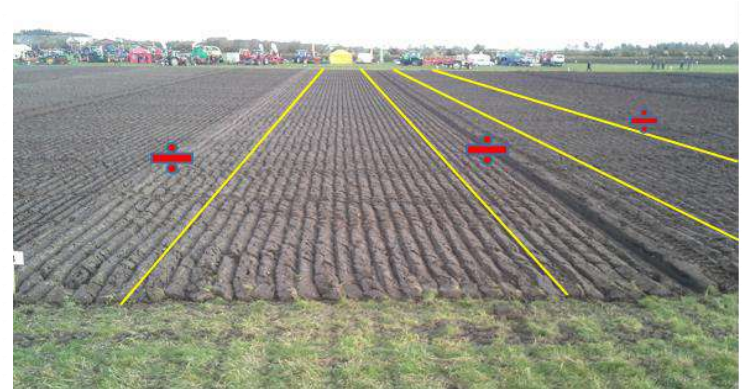
**(Judged from headland)**

**(Uniform, Conforming Furrows, No Visible Pairing)**

*Evaluated in "general work" only. **Not** in the 15/16 crown furrows, **not** in the 12 finish furrows and **not** the first 2 runs against the neighbour.*

- The furrows must be of equal height/depth and equal width throughout the full length and full width of the plot.
- All furrows in the plot should be uniform and conform with each other.
- No repeating faults for each run, no pairing.

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 7. Uniformity of furrows. (*Judged from headland*) (Uniform, Conforming Furrows, No Visible Pairing)

In this plot the width of the furrows varies a little.



A lot of pairing in this plot therefore a low score here.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 7. Uniformity of Furrows. (*Judged from headland*) (Uniform, Conforming Furrows, No Visible Pairing)

To early to judge this plot – but so far very good uniformity.



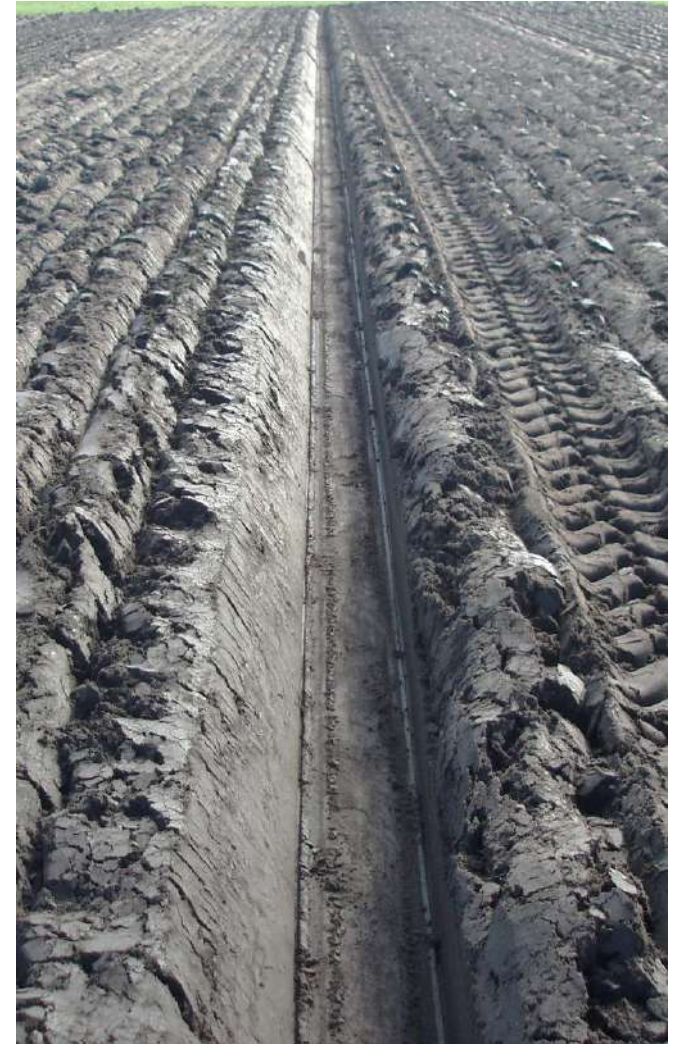
# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 8. Finish - Weed control (*Judged at plot*) (Neatness & Weed Control.)

*The Finish consists of the last 12 furrows. 6 on each side of the final furrow bottom.*

- No loose soil or plant material in the finishing furrow bottom.
- Weed control, firmness and soil for seedbed in the last runs - all plant material must be completely buried.
- The furrows have to be firm with no holes, resulting in a good seed bed.
- Only 1 tractor wheel mark in the ploughed land. Small marks from the tractor front wheel, not very visible from the headland, should **not** be considered a fault. **Part** of the plough wheel mark may be visible on the outside of the tractor wheel mark (on the opposite side of the finish), (no untouched land between tractor wheel mark and plough wheel mark).
- *If there is a wheelmark mistake in the finish, **the judges still judge the finish as there is no mistake (Head Steward will penalize).***
- *Do not look at straightness*

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 8. Finish - Weed control (Judged at plot)

Some clods in the bottom of the final furrow. Grass visible in the second last run (maybe belongs to Ins and Out). Bad seedbed control with holes in the last furrow.



Good seedbed control and weed control. Some clods in the final furrow.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 9. Finish – Uniformity (*Judged from headland*)

**(Narrowness & Shallowness, Transition, Positioning, Uniformity.)**

*The Finish consists of the last 12 furrows. 6 on each side of the final furrow bottom.*

- The furrow bottom in the finish should be as narrow as possible and should not be any deeper than the normal ploughing.
- If the last furrow is “mashed” too far out or up by the mouldboards the finish will appear too wide.
- It is most optimal if the shallow furrow and the last “soil” furrow is the same height as the rest, with a smooth and good transition between the finishing furrows and the furrows in the general work.
- Positioning of the final furrow - No “step” and no “over ploughing”.
- “Step”: It must be controlled that nothing is left at the bottom of the second last run. In grassland and in heavy clay stubble there will always be an edge left under the soil from the second last turned furrow, but if it cannot be seen from the headland, seen in line of the finish the position is correct.
- “Over ploughing”: can be controlled by the furrow slice from the second last run, have its full width and have a natural shape in connection with the finishing furrow bottom.
- The tractor wheel mark has to be at a natural level with the ploughing and not a deep track, it had to be positioned parallel to the furrows.

*Do not look at straightness*

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 9. Finish – Uniformity (*Judged from headland*)

(Narrowness & Shallowness, Transition, Positioning, Uniformity.)

This finish looks like it is over ploughed because of the shallow furrow, it is a bit small and not a nice round shape. Bad transition to the left with difference in shape of furrows. Wheel mark not parallel with the furrows but the wheel mark height is fine. The width of the final furrow is fine.



Good uniformity, narrow and shallow finish with a good transition. The tractor wheel mark is maybe a little too deep.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 9. Finish – Uniformity (*Judged from headland*)

(Narrowness & Shallowness, Transition, Positioning, Uniformity.)

**A good finish.**

**A good example of how the soil furrow will sometimes look different, and for this day it is probably the same for all ploughmen, especially in grassland ploughing.**

**The finish furrow is a little wide and the soil furrow could have been just a little higher.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 10. Ins and Outs (*Judged from headland*)

*The first and last 2 meters of the ploughed land is evaluated as part of this discipline.*

- The most important thing here is that all land within the scratch mark has been cut through and is well turned. It is a bigger mistake to have some unploughed land inside the scratch mark compared with ploughing in the headland.
- High priority has to be given to regularity in the way the plough has been positioned into the soil and lifted off again when ploughing all the furrows in the crown, in the general work, and in the finish.
- The furrows should be well turned - all the way to the scratch mark and in the same style as the rest of the ploughing.
- No visible tractor wheel marks within 2 meters from the scratch mark line and no rolling of the headland with the tractor wheels.

Maximum 10 points.



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 10. Ins and Outs (*Judged from headland*)

**Inside the scratch mark this plot is excellent, earning a high score, but outside it is a mess resulting in loss of points.**



**Excellent Ins and Outs. This ploughman understands the importance of having the same design and length off the furrow slices whether it is "in the ground" (right side) or "off the ground" (left side). It is perfectly regular, good seedbed and weed control in the first 2 meters.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 10. Ins and Outs (*Judged from headland*)

**Okay regular ends (same way every time).  
But every second furrow is very thin with a  
bad seedbed and bad uniformity as a result.  
Weed control is okay.**



**Very unregular ins and outs. Low score  
for this.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 10. Ins and Outs (*Judged from headland*)

**Very good  
regular ends.  
But not good  
weed control in  
the first 2  
metres.**





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 11. Straightness (Judged from headland)

*The straightness has to be judged in full length of the plots (also the 2m ins and outs).*

### 11a. Straightness in the Opening Split.

Maximum 10 points.

### 11b. Straightness in Crown.

*Evaluation should be done on the top of the furrow slices and not on the edge of the furrow!*

All the Crown furrows (15 or 16 furrows) have to be evaluated but with an excessive weight put on the centre furrows of the crown.

Maximum 10 points.

### 11c. Straightness in General Work.

*Evaluation should be done on the top of the furrow slices and not on the edge of the furrow!*

**Note:** Do not judge the Crown-area and the Finishing-area.

**Note:** Do not judge the first 2 runs against the neighbour ploughman - it is for straightening up.

Maximum 10 points.

### 11d. Straightness in Finish.

The last 6 + 6 furrows, but with excessive weight on the finishing furrow.

Maximum 10 points.

Average of the 4 evaluations x 2 Maximum 20 points



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## **11. Straightness** ***(Judged from headland)***

*The straightness has to be judged in full length  
(also the 2m ins and outs).*

### **11a.** Straightness in the Opening Split.

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 11. Straightness (*Judged from headland*)

*The straightness has to be judged in full length (also the 2m ins and outs).*

**11b.** Straightness in Crown. *Evaluation should be done on the top of the furrow slices and not on the edge of the furrow!*

All the Crown furrows (15 or 16 furrows) inside the yellow line have to be evaluated but with a excessive weight put on the centre furrows of the crown.

Maximum 10 points.



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 11. Straightness (*Judged from headland*)

*The straightness had to be judged in full length (also the 2m ins and outs).*

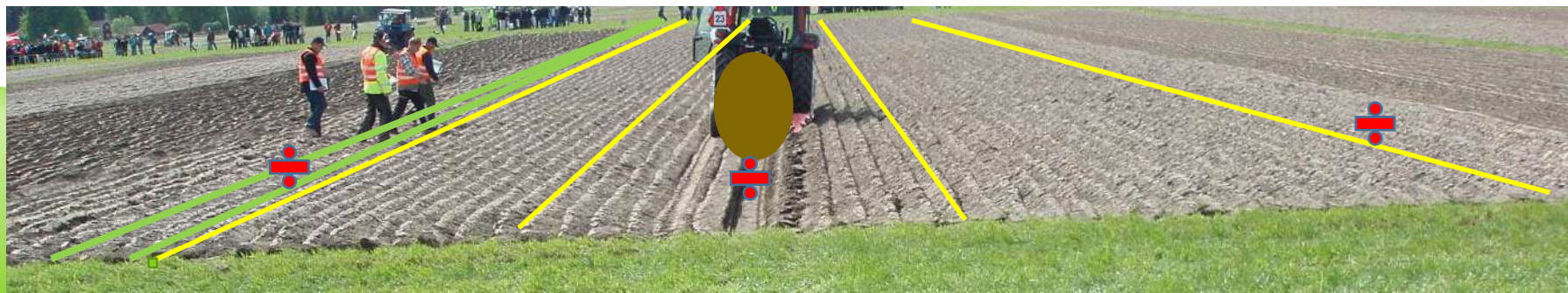
**11c.** Straightness in General Work.

*Evaluation should be done on the top off the furrow slices and not on the edge of the furrow!*

**Note:** Do not judge the Crown-area and the Finishing-area. Only between the yellow lines.

**Note:** Do not judge the first 2 runs against the neighbour ploughman (green lines) – it is for straightening up.

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 11. Straightness (*Judged from headland*)

*The straightness had to be judged in full length (also the 2m ins and outs).*

### 11d. Straightness in Finish.

The last 6 + 6 furrows,  
but with excessive weight on  
the finishing furrow.

Maximum 10 points.  
Average of the 4 evaluations x 2  
Maximum 20 points



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 12. General Appearance (*Judged from headland*)

***The ploughman must have finished his plot completely.***

*The skill of the ploughman is evaluated by judging all visible aspects as observed from headland. Here is it important to look at all aspects from crown to finish.*

- Important: Same style of ploughing, with uniform and conform furrow slices in the whole ploughman's plot with no mistakes.

Check of all aspects like: crown, weed control, uniformity of furrows, straightness, finish, ins and outs.

Maximum 10 points.





# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 12. General Appearance (*Judged from headland*)

*The ploughman must have finished his plot completely.*

At this plot, there are several mistakes, e.g. pairing, mistake in the uniformity around the crown and also in the finish.  
The finish is not good and average ins and outs.  
An okay straightening (not perfect).  
A low score for this.



# GUIDELINES FOR CONVENTIONAL PLOUGHING

## 12. General Appearance (*Judged from headland*)

*The ploughman must have finished his plot completely.*

**This plot is excellent.**

**Same style, uniformity and conformity of all furrows from start to finish.**

**Small mistakes in the In and Outs.**





# **GUIDELINES FOR REVERSIBLE PLOUGHING**



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 1. Opening Furrow (*Judged at plot*)

*The ploughman must perform an opening furrow before the ploughing starts. The opening must be done with the **rear/right** plough body.*

- It is important that the opening furrow is neat and uniform throughout its full length also in regard to the volume of soil ploughed up. The shape of the opening furrow is at the discretion of the competitor.
- There should be no loose soil or plant material in the bottom of the opening furrow. It will also be considered a fault if plant material is visible between the bottom of the furrow and the turned furrow.
- The opening furrow must look natural and should not be mashed out due to excessive use of tailpiece or driven on with plough wheel.
- The bottom of the opening furrow must be cut through in its full width and throughout its full length from scratch mark to scratch mark. It is okay if the cut-through has been done by the mouldboard scraping the soil away. The Judge should, however, be very careful to control that all roots are cut or torn away.

Indicative deduction for non-cutting, to be deducted from the otherwise assessed scoring:

- |                               |              |
|-------------------------------|--------------|
| Small spot                    | - 1 point    |
| Large spot/first deep track   | - 2 points   |
| Several sprayer tracks        | - 3 points   |
| Several spots and also tracks | - 4-5 points |

Maximum 10 points.





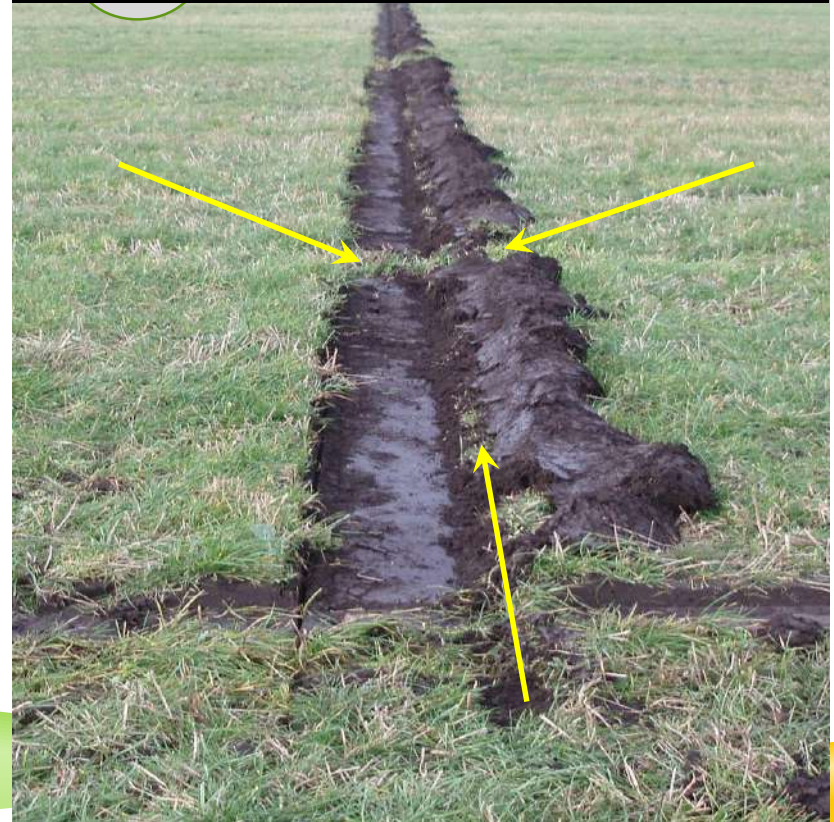
# GUIDELINES FOR REVERSIBLE PLOUGHING

## 1. Opening Furrow (*Judged at plot*)

**Excellent grass opening furrow.  
Very uniform and well cut through the  
whole length.**



**Bad opening furrow.  
Grass visible between the bottom and  
the furrow slices.  
Bad uniformity and not well cut  
through of the furrow through the  
whole length (gap with no mould).  
Not a nice cut to the left.  
Not cut through.**

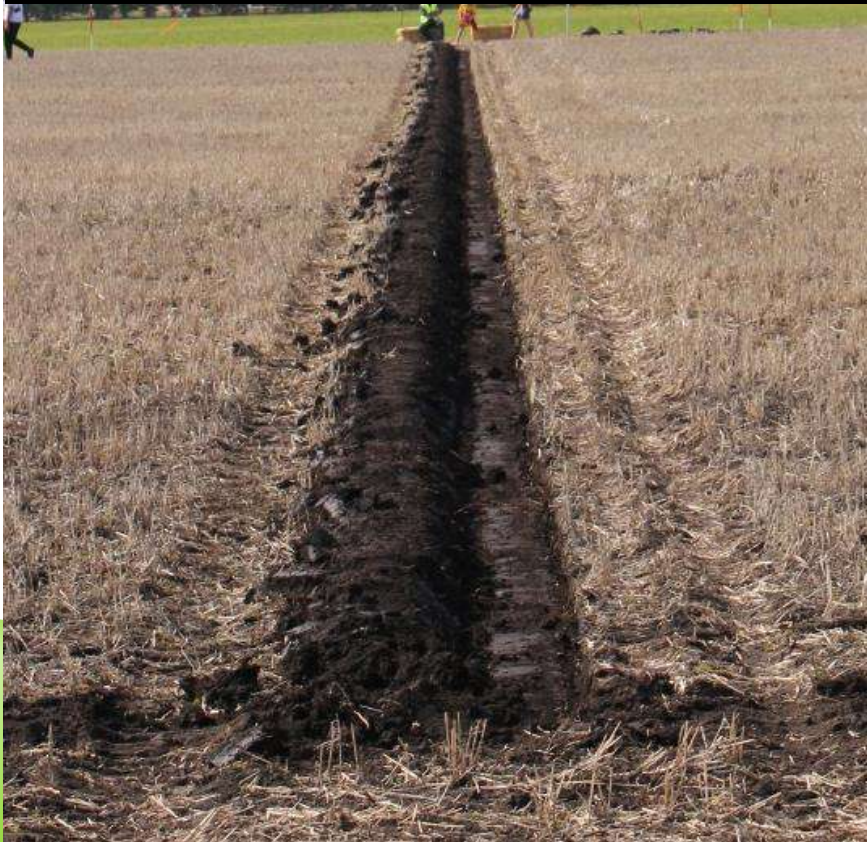




# GUIDELINES FOR REVERSIBLE PLOUGHING

## 1. Opening Furrow (*Judged at plot*)

An okay opening furrow but with few clods in the bottom and pressed a little too flat by use off tailpieces.  
Few clods to the left make the furrow a little less uniform.  
(Remember do NOT pay attention to straightness in this aspect).



Right side a little castellated and not cut through.  
Okay uniformity from this end to the other end.  
(Remember do NOT pay attention to straightness in this aspect).





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 2. Start – (Crown / Throwback) *(Judged at plot)*

*The throwback must be performed with the plough turned to the left.*

- All land must be cut through and the first furrow slice must be turned down into the bottom of the opening furrow so that the edge of the first furrow slice is in flush with the edge of the opening furrow.
- The height and width of the first furrow should be equal to the other furrows.
- The transition from first furrow to the rest of the ploughed ground must be smooth with conforming furrows in all 4 runs.
- Weed Control, all plant material must be ploughed under. Evaluate all 4 runs.
- Points must be deducted if tractor wheel marks appear in the 4 runs.

The first 2 metres in each end of the plot must **not** be evaluated – will be done under “Ins and Outs”.

Maximum 10 points.



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 2. Crown / Start Furrows (*Judged at plot*)

**Throwback is good.**  
**A very good smooth transition from the first furrow to the other 8 furrows.**  
**Small mistakes from this start end which will reduce the score a little.**  
**All furrows have the same height.**  
**Good weed control (apart from the mistake at the start).**



**The first furrow is too wide and too high compared to the other 8 furrows – big mistake.**  
**Some problems with weed control.**  
**The first furrow is probably turned further over than the cut of the opening furrow.**





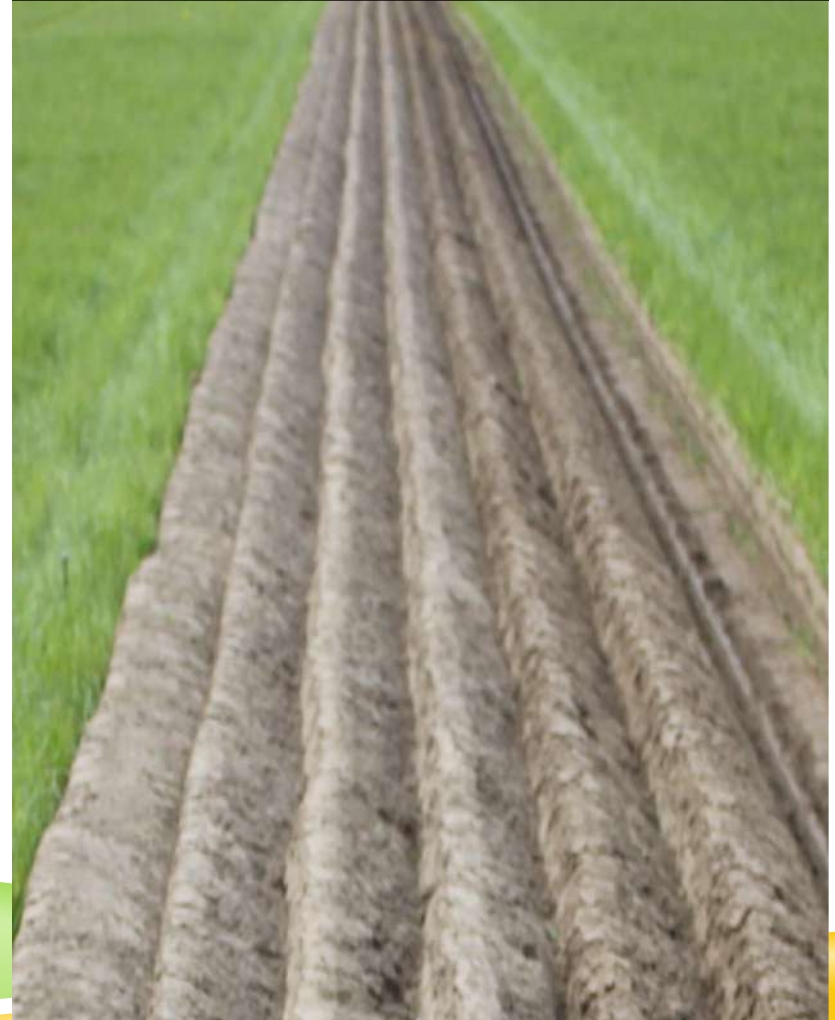
# GUIDELINES FOR REVERSIBLE PLOUGHING

## 2. Crown / Start Furrows (*Judged at plot*)

**Excellent height and conformity of this stubble throwback. A little problem with the uniformity. An excellent throwback with perfect furrow slices.**



**An excellent throwback with no mistakes.**



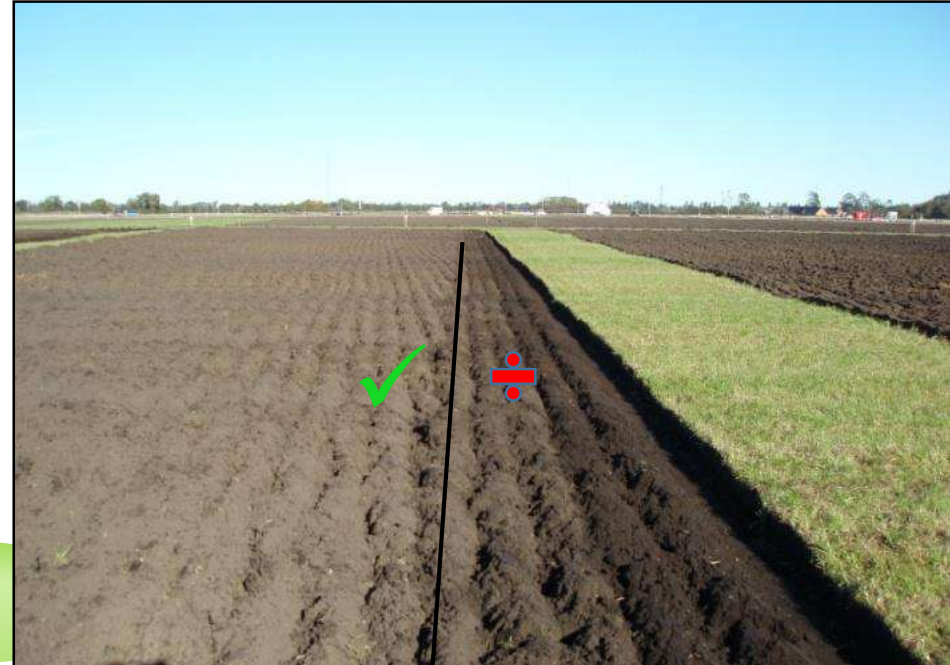
# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. a. The Butts (*Judged at plot*)

- *Only judge at the butts – do not look at the connecting furrow (only left side of the black line in the below picture).*

- All soil in the butts must be well ploughed; no dips and no mounds / huge furrows.
- The butts furrows have to be the same height as the rest of the ploughing.
- Great weight is attached to the regularity.
- Pay attention to: The butts have to be straight into the Connection furrow (no small extra furrow beside the connection furrow)
- All plant material must be ploughed under in the butts (weed control).
- Points must deducted if tractor wheel marks appear in the butts.

Maximum 10 points.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. a. The Butts (*Judged at plot*)

- Only judge at the butts – do not look at the connecting furrow.

The butts are a little low compared to the rest of the ploughing. Apart from that this is excellent ploughing of the butts, with good conformity and uniformity.



Excellent weed control. The butts have some dips. A bigger problem is the little extra furrow that has been ploughed up during the run for connecting furrow. This furrow makes for bad uniformity, conformity and regularity of the butts furrows.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. a. The Butts (*Judged at plot*)

- Only judge at the butts – do not look at the connecting furrow.

**This stubble butts allows for good regularity and well made furrows with good seed bed and weed control. Small problem is the uniformity of the furrows – see the arrows (small – big)**



**The butts furrows is not well turned and not uniform in the last 1-2 metres to the connecting furrow. That causes problems with weed control and firmness of furrows. The height is okay and good regularity.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. a. The Butts (*Judged at plot*)

- Only judge at the butts – do not look at the connecting furrow.

**Small mistakes in this end where the first furrow at butts is a little high and not conformed to the rest. Except from that it looks like a well made butts ploughing.**



**Excellent butts with good regularity, seed bed and weed control. This butts is straight into the connecting furrow with excellent uniformity and conformity.**



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. b. Connecting Furrow at Butts (*Judged at plot*)

- *Only judge at the Connecting furrow – do not look at the butts (only right side of the black line in the below picture).*
- *The connecting furrow is the first furrow in the finish which can be clearly seen from headland to headland. If the first furrow is not clearly visible from headland to headland it is not the connecting furrow and therefore belongs to the butts and has to be judged as butts.*
- The connecting furrow must be clearly visible, uniform, and well marked throughout its full length.
- Attention to the edge (against the butts) of the first furrow, it has to be clearly marked and neat in a straight line.
- The first furrow must be of the same height and width as the other furrows, with good uniformity and conformity to the rest of the ploughing.
- The transition from the connecting furrow to the rest of the finishing furrows must be even and all the furrows in the finish must be uniform throughout their full length and conform with each other.
- Points must be deducted if tractor wheel marks appear in the connecting furrow.

Maximum 10 points.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. b. Connecting Furrow at Butts (*Judged at plot*)

- *Only judge at the Connecting furrow – do not look at the butts.*

In this end there is a small mistake in the uniformity of the connecting furrow. Rest of the way represents a very good furrow – very similar to the rest of the ploughing.



An excellent connecting furrow. Good edge of the connection furrow. Tranquillity, uniformity, conformity and height is perfect.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. b. Connecting Furrow at Butts (*Judged at plot*)

- Only judge at the Connecting furrow - do not look at the butts.

**This connecting furrow is not very uniform and conform to the rest of the finish. The first furrow is too narrow and the right side of this furrow could be in a more straight and marked line. The height is okay.**



**This connecting furrow has a poor uniformity from this end to the other end, it is small and wide and not cut through in a straight line. The connecting furrow has okay weed control - maybe a little high.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. b. Connecting Furrow at Butts (*Judged at plot*)

- Only judge at the Connecting furrow – do not look at the butts.

**This connecting furrow is not very uniform and conform to the rest of the finish. The first furrow is too narrow and the right side of this furrow could be in a more straight and marked line. The height is okay.**



**This connecting furrow has a pure uniformity from this end to the other end, it is small and wide and not cut through in a straight line. The connecting furrow has okay weed control - maybe a little high.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 3. b. Connecting Furrow at Butts (*Judged at plot*)

- Only judge at the Connecting furrow – do not look at the butts.

Here are 2 examples of how the ploughman cleaned up with the front body and made the connecting furrow with the rear body.

But by mistake the front body made a visible furrow and the Judge had to judge this furrow as the connecting furrow with a low score as a result.

When the Judge can see an unbroken line/furrow (big or very small) at the main part of the connecting furrow, "the clean up furrow" has to be judged as the connecting furrow.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 4. Weed Control (*Judged at plot*) (No weeds, stubble or grass visible.)

**This is excellent weed control.  
No grass or stubble is visible anywhere.**



**Compared with this un-level plot the ploughman has very good weed control.  
The little green spot (yellow arrow) will reduce the score a little.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 4. Weed Control (*Judged at plot*) (No weeds, stubble or grass visible.)

**Good Weed Control.**  
The spot to the left belongs to the Connecting Furrow at Butts.



**Bad weed control.**  
But be careful, the bottom part of the picture is not the ploughman's mistake but a spot with Scouch Grass roots.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 5. Firmness of Furrows (*Judged at plot*) (Close & Firm Furrows. No holes.)

**Note: We can't feel the furrow packing by looking at the picture and this is a big part of this judging.**

**This furrow slice has some cracks and there is a single gap between the furrows.  
Not too bad but not perfect.**



**Excellent Firmness of furrows in this plot.  
In the picture it looks like there are no mistakes at all.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 5. Firmness of Furrows (*Judged at plot*) (Close & Firm Furrows. No Holes.)

**Note: We can't feel the furrow packing by looking at the picture and this is a big part of this judging.**

**A stubble field like this is often without any holes and therefore the judging will pay more attention to the packing – “how it is to walk on”.**



**Looks like this plot has an okay firmness of furrows. Maybe some small mistakes around the un-level spots.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 6. Soil for Seedbed (*Judged at plot*) (Soil made available for future seedbed)

With these flat furrows there is not much soil for seedbed.  
If you want to cultivate there is a risk of pulling up some grass turf or even rolling the furrow slices around.  
(Do not pay attention to the weed control in this aspect).



Here there is plenty of soil for seedbed.  
Rounded furrow slices creates more available soil for future cultivating.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 6. Soil for Seedbed (*Judged at plot*) (Soil made available for future seedbed)

**Good soil for seedbed here.  
More rounded furrow slices could make it  
excellent.**



**Lumpy and un-level furrows make it a bad  
soil for seedbed.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 7. Uniformity of Furrows *(Judged from headland)*

**Uniform, Conforming Furrows, No Visible Pairing.**

**Especially from this end, but also the whole way, the width of the furrows varies quit a lot, with bad uniformity and conformity as result.**

**Remember do NOT look at straightness and the 2 metres Ins and Outs.**



**Bad uniformity and conformity of furrows – especially from this end.**

***As Judge you have to look from the headland where you are asked to look from – and judge what you can see. The team at the other Headland maybe see something else and give a score after that.***





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 7. Uniformity of Furrows (Judged from headland)

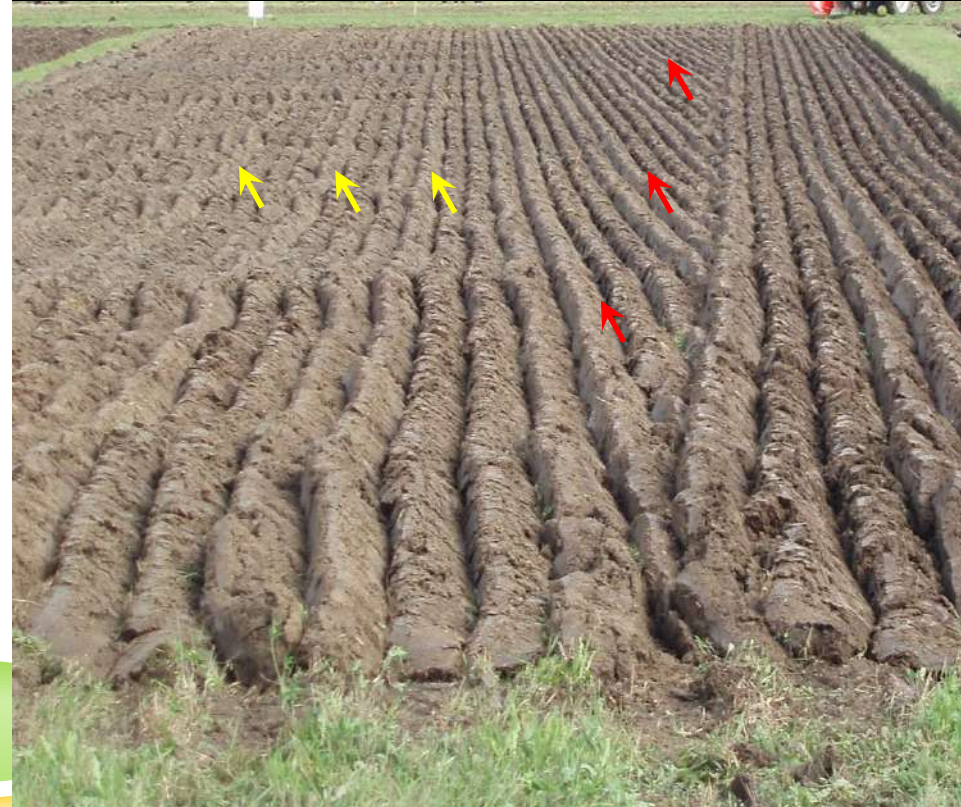
(Uniform, Conforming Furrows, No Visible Pairing)

This plot is almost perfect. Same style of ploughing all the way. But there are some very small mistakes - each fourth furrow is a little different (wider) from the rest.



The width and the height of the furrows look okay, but there are 3 other mistakes:

1. In the cast off - every fourth furrow looks different.
2. It is like the style/type change from the cast off furrows to the Butts furrows.
3. In the butts there is again "fourth furrow" mistake - but difference from the pk.1





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 8. Finish Furrows (*Judged at plot*) (Uniformity and Conformity of Furrows, Weed Control)

*The Finish furrows are all the furrows in the finish from the connecting furrow at butts to the last furrow (both included) (between the yellow lines at the picture.)*

- The furrows must be of equal height and equal width throughout the full length and full width of the finish plot.
- The final furrow must be at the same height as the crown furrows. There must be an even transition to the final furrow.
- Weed control - all plant material must be completely ploughed under.

Maximum 10 points.

*Control of the amount of furrow slices in the finish is correct: 10 x count of furrows on the plough or 10 x count of furrows on the plough minus 1. (e.g. 2-furrow plough: 20 or 19 furrow slices) If not report to Head Stewards.*



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 8. Finish furrows (*Judged at plot*) (Uniformity and Conformity of Furrows, Weed Control)

In the picture there is fine weed control. There are big mistakes in the uniformity and conformity of the finish furrows – the last run big furrows – the second last run small furrows etc. The height is okay. (Do not look at straightness). (Do not look at the first 2 metres – they will be judged under “ins and outs”).



Very good finish furrows. Small mistakes – there are a few furrows that look just a little different from the rest (yellow arrow), maybe only from this end but we are looking from this end and have to judge what we can see. Weed control fine. There is excellent transition all the way from connection furrow to the final furrow.

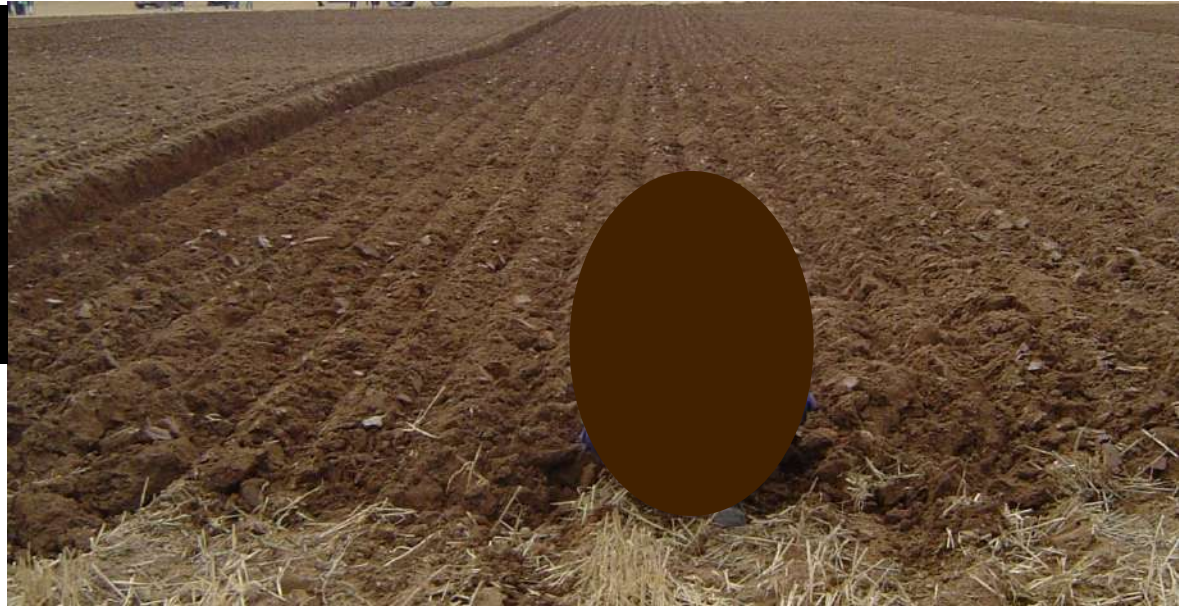




# GUIDELINES FOR REVERSIBLE PLOUGHING

## 8. Finish furrows (*Judged at plot*) (Uniformity and Conformity of Furrows, Weed Control)

Good uniformity and conformity of finish furrows – mistakes in the last 2 runs where there is a little pairing.  
In the picture the final furrows look a little low.  
Good weed control.



The connecting furrow looks different from the rest of the finish furrows and the last furrow looks bumpy and different.  
There are also mistakes in the right corner – it looks like there has been an old finish furrow – Do not compensate for that, unless the Head Steward has given information to ignore that part.  
(Don't look at straightness).



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 9. Final Furrow (*Judged from headland and plot*) (Position, Neatness, Narrowness, Shallowness, Height)

- The last 2 or 3 furrows should be of the same height as the furrows in the throwback.
- The finishing furrow should be as narrow as possible and in normal ploughing depth.
- Weed control in the final furrow - no loose soil or plant material in the bottom of the final furrow.
- The tractor wheel mark has to be at a natural level.
- The position "disc coulters in disc coulters" must be checked. The disc coulters for the last furrow must cut where the disc coulters from the opening furrow did cut. In other words there must not be any unploughed land left or any re-ploughed land. The judge must carefully control that by inspecting the cut side of the final furrow:  
Unploughed land = no mark from the bottom of the opening furrow  
Correct or re-ploughed land = there is a mark from the bottom of the opening furrow.

Maximum 10 points

- Only 1 tractor wheel mark in the ploughed land. Small marks from the tractor front wheel, not very visible from the headland, should **not** be considered a fault. **Part** of the plough wheel mark may be visible on the outside of the tractor wheel mark (on the opposite side of the finish) (no untouched land between tractor wheel mark and plough wheel mark).
- Control for wheelmarks (tractor and plough) in the Finish area from the second last run. ***If there is a wheelmark mistake in the finish, the Judges must inform the Head Stewards and still judge the finish as if there is no mistake (Head Steward will penalize).***

Wheelmark  
from second  
last run





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 9. Final Furrow

*(Judged from headland and plot)*

**(Position, Neatness, Narrowness, Shallowness, Height)**

**Unploughed land is very clear here**



**The first furrow in this crown is almost cut to half sides.**

**The finish is seriously re-ploughed and this first furrow looks far too small.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 9. Final Furrow

*(Judged from headland and plot)*

**(Position, Neatness, Narrowness, Shallowness, Height)**

**From this end there is some unploughed land to the left.  
In the middle of the field the cut/placement of the final furrow looks correct.**

**Okay clean in the bottom of the furrow – but a little grass from this end.**

**The width and height of the final furrow looks good but the tractor wheelmark looks a little too deep.**



**This is an excellent final furrow.  
No mistakes**





# GUIDELINES FOR REVERSIBLE PLOUGHING

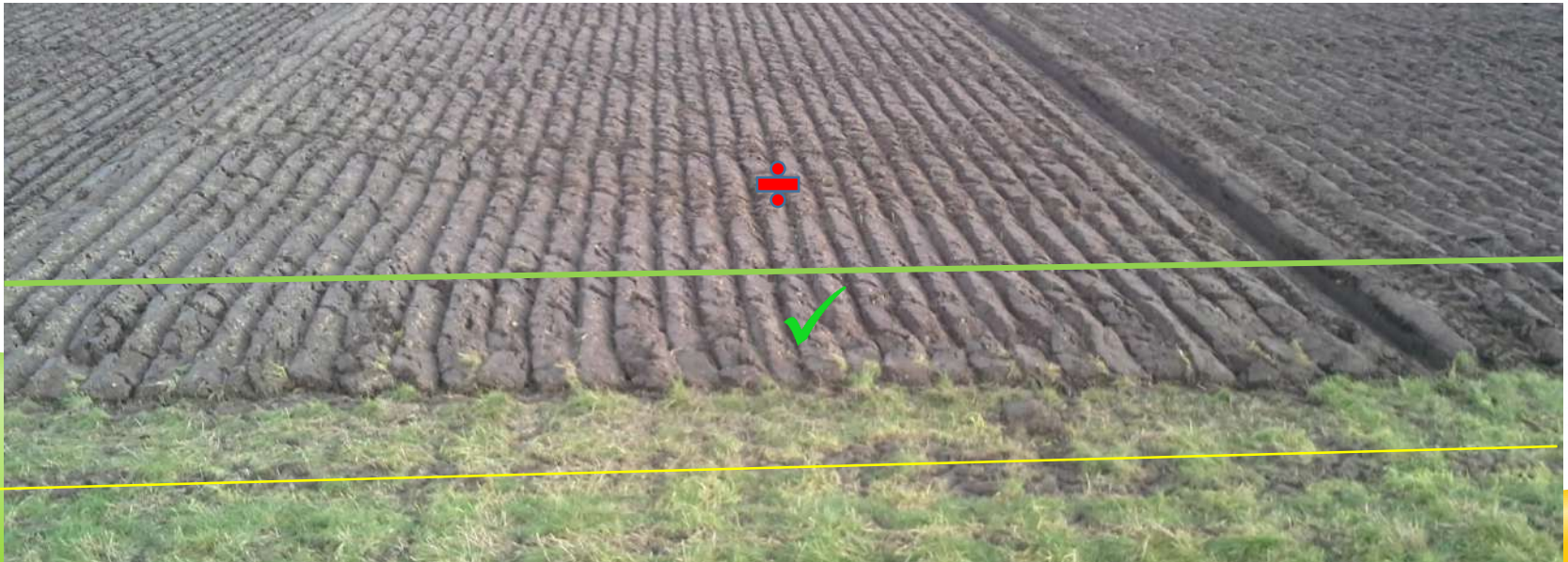
## 10. Ins and Outs

### ***(Judged from headland)***

*The first and last 2 metres of the ploughed land has to be evaluated as part of this discipline.*

- Of most importance is that all land within the scratch mark has been cut through and is well turned. It is a bigger mistake to have some unploughed land inside the scratch mark compared with ploughing in the headland.
- High priority has to be given to regularity in the way the plough has been positioned into the soil and lifted off again when ploughing all the furrows, in the crown, in the general work, and in the finish.
- The furrows should be well turned - all the way to the scratch mark and in the same style as the rest of the ploughing.
- No visible tractor wheel marks within 2 meters from the scratch mark line and no rolling of the headland with the tractor wheels.

Maximum 10 points.



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 10. Ins and Outs (*Judged from headland*)

**This is not a good Ins and Outs.  
Bad uniformity and weed control.  
Okay Seed bed.**



**Well ploughed furrows to the ends  
but there is no regularity in the thickness  
of the furrows to the ends which is a big  
problem.  
Good seed bed and weed control.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## **11. Straightness**

### ***(Judged from headland)***

*(The straightness has to be judged in full length (also the 2m ins and outs)).*

#### **11i.** Straightness in the Opening Split.

Maximum 10 points.

#### **11ii.** Straightness in Crown.

*Evaluation should be done on the top off the furrow slices and not on the disc cut edge of the furrow!*

All the Crown furrows (8 furrows(9 for 3 furrows)) have to be evaluated.

Maximum 10 points.

#### **11iii.** Straightness in General Work / Butts.

*Evaluation should be done on the top off the furrow slices and not on the disc cut edge of the furrow!*

Evaluate all the cast-off ploughing from the neighbours crown to the end of the butts. Do not evaluate the connecting furrows and all the finish furrows.

**Note:** Do not judge the first 2 runs against the neighbour ploughman - it is for straightening up.

Maximum 10 points.

#### **11d.** Straightness in Finish.

All furrows in the finish, including connecting furrow, finish furrows and the final furrow must be evaluated, with excessive weight on the final furrow.

Maximum 10 points.

# GUIDELINES FOR REVERSIBLE PLOUGHING

## 11. Straightness

### ***(Judged from headland)***

*(The straightness has to be judged in full length (also the 2m ins and outs)).*

#### **11 i.** Straightness in the Opening Split.

Maximum 10 points.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 11. Straightness (Judged from headland)

*(The straightness has to be judged in full length (also the 2m ins and outs)).*

### 11 ii. Straightness in Crown.

*Evaluation should be done on the top off the furrow slices and not on the disc cut edge of the furrow!*

All the Crown furrows (8 furrows(9 for 3 furrows)) have to be evaluated.

Maximum 10 points.

**All 8 furrows have to be looked at for straightness in Crown**



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 11. Straightness (*Judged from headland*)

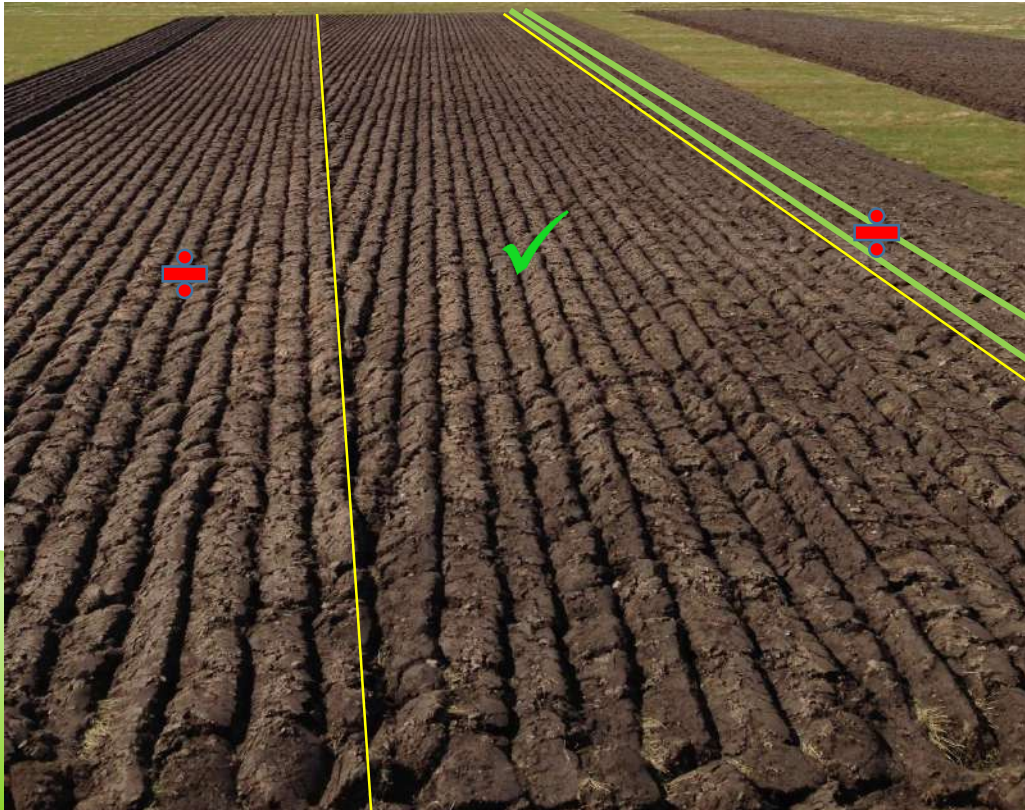
*(The straightness has to be judged in full length (also the 2m ins and outs)).*

### 11 iii. Straightness in General Work

*Evaluation should be done on the top off the furrow slices and not on the disc cut edge of the furrow!*

Evaluate all the cast-off ploughing from the neighbour's crown to the end of the butts. Do not evaluate the connecting furrows and all the finish furrows.

**Note:** Do not judge the first 2 runs against the neighbour ploughman - it is for straightening up. Maximum 10 points.



**All the furrows between the yellow lines have to be evaluated in straightness in General Work.**

**Green lines represent the 2 runs for straightening up – therefore no evaluating.**



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 11. Straightness

### ***(Judged from headland)***

*(The straightness has to be judged in full length (also the 2m ins and outs)).*

#### **11 iv.** Straightness in Finish

All furrows in the finish, including connecting furrow, finish furrows and the final furrow must be evaluated, with excessive weight on the final furrow.

Maximum 10 points.

**All the furrows between the yellow lines have to be evaluated in straightness in the Finish**



# GUIDELINES FOR REVERSIBLE PLOUGHING

## 12. General Appearance (Judged from headland)

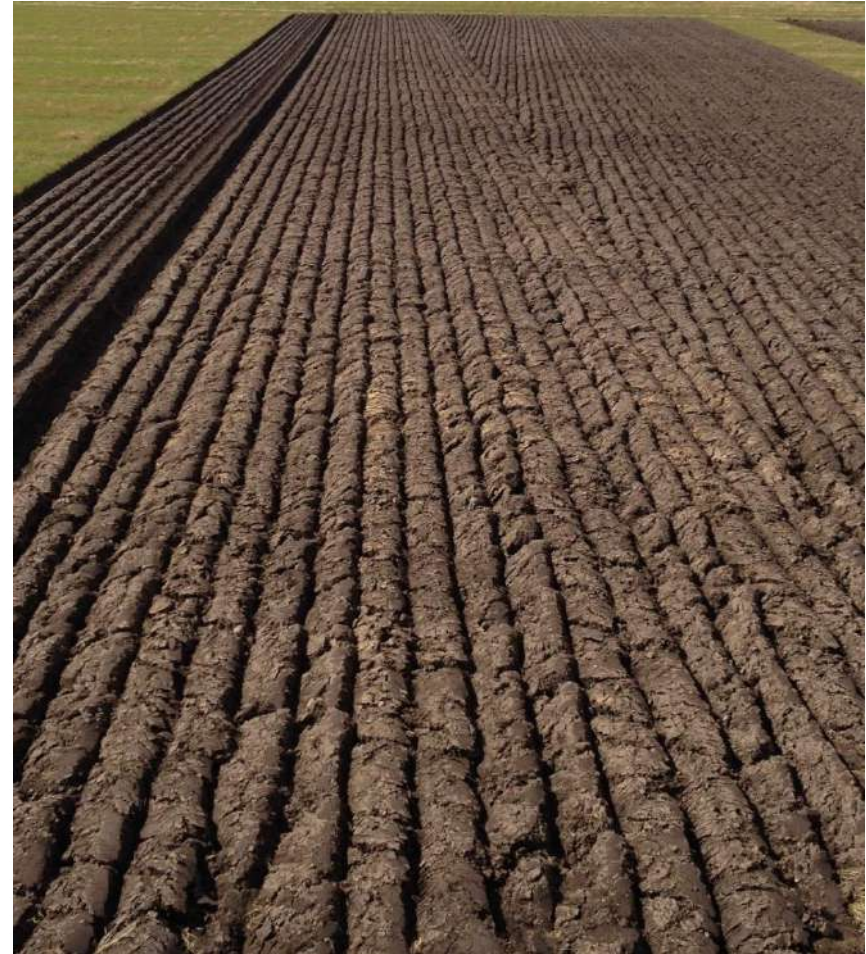
***The ploughman must have finished his plot completely.***

*The skill of the ploughman is evaluated by judging all visible aspects as observed from headland.*

*Here is it important to look at all aspects from crown to finish.*

- Important: Same style of ploughing without any mistakes, with uniform and conform furrow slices the whole way from the Crown furrows – Finish furrows – The Butts and the Cast off.  
Control of all aspects like: Crown, the butts, finish, weed control, uniformity of furrows, straightness, ins and outs.

Maximum 10 points.





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 12. General Appearance (*Judged from headland*)

**This plot is generally well done.**

**The style of the crown furrows (to the right) are a little different from the rest of the ploughing.**

**Other small mistakes such as final furrow not clean plus mistakes in this end of last run. Connecting furrow could be a little better marked.**





# GUIDELINES FOR REVERSIBLE PLOUGHING

## 12. General Appearance (*Judged from headland*)

Here there is excellent uniformity and conformity of all furrows across this ploughman's plot – same style all the way. There are only few small mistakes: Ins and Outs could be better and there are a few different furrows in the Finish.

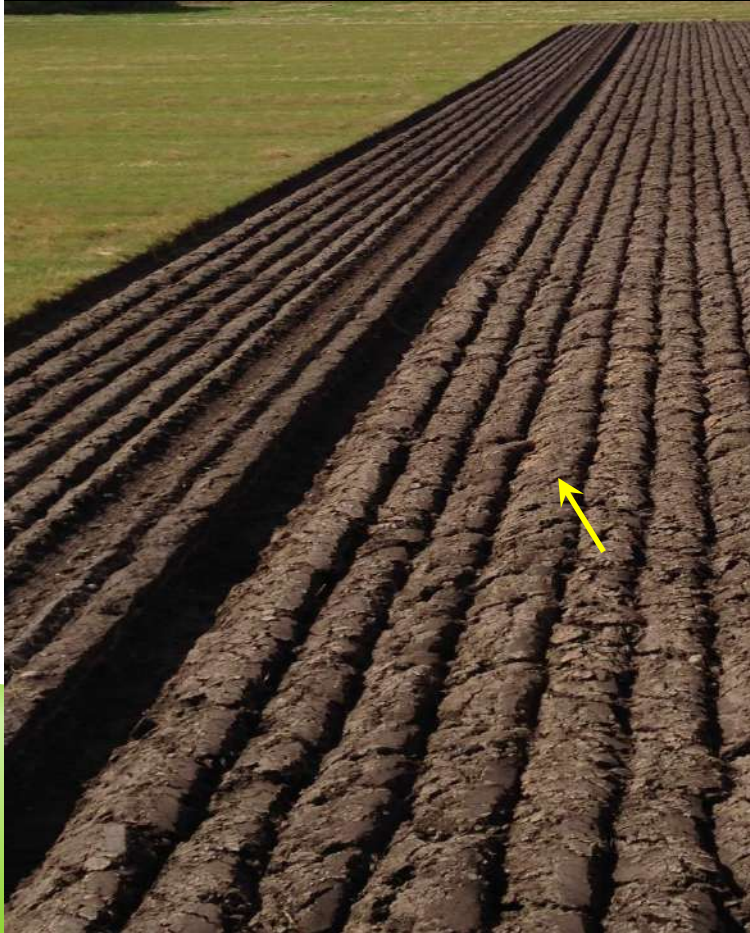




# GUIDELINES FOR REVERSIBLE PLOUGHING

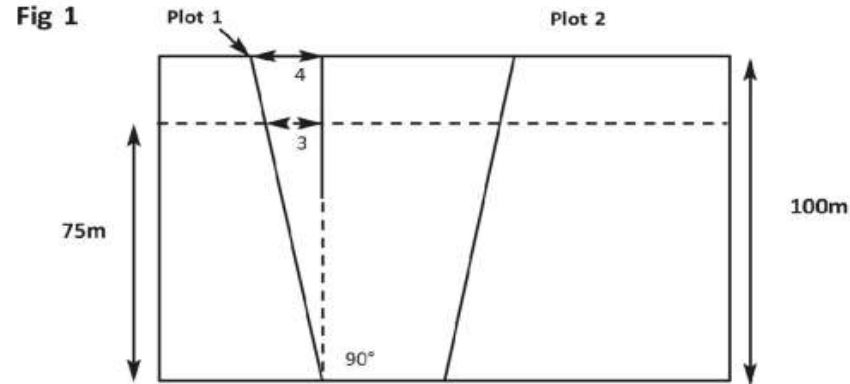
## 12. General Appearance (*Judged from headland*)

Here there is excellent uniformity and conformity of all furrows across this ploughman's plot – same style all the way.  
There are only small conformity mistakes in the last furrows.



# MARKING FOR REVERSIBLE PLOTS

1. When setting out the plots the first plot must be squared and then offset to ensure that all plots are the same (See fig 1)

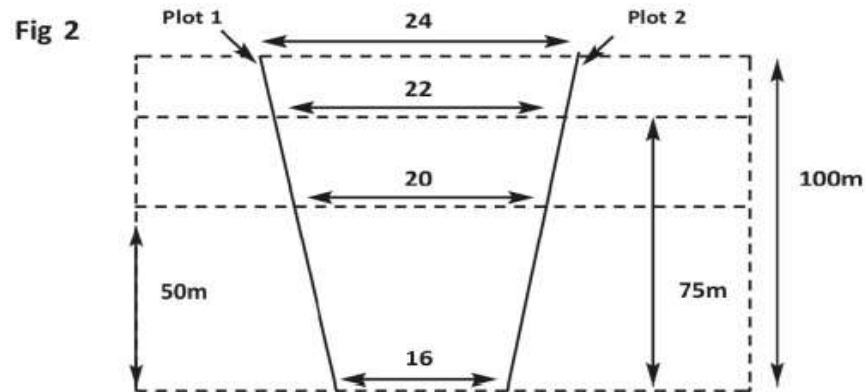


2. If plots are shorter than 100 meters the angle for butts must be maintained.

Example.

- a) If plot is 100m long, there must be an 8m difference between one headland and the other
- b) If a plot is 75m long, there must be a 6m difference between one headland and the other.
- c) If a plot is 50m long, there must be a 4m difference between one headland and the other.

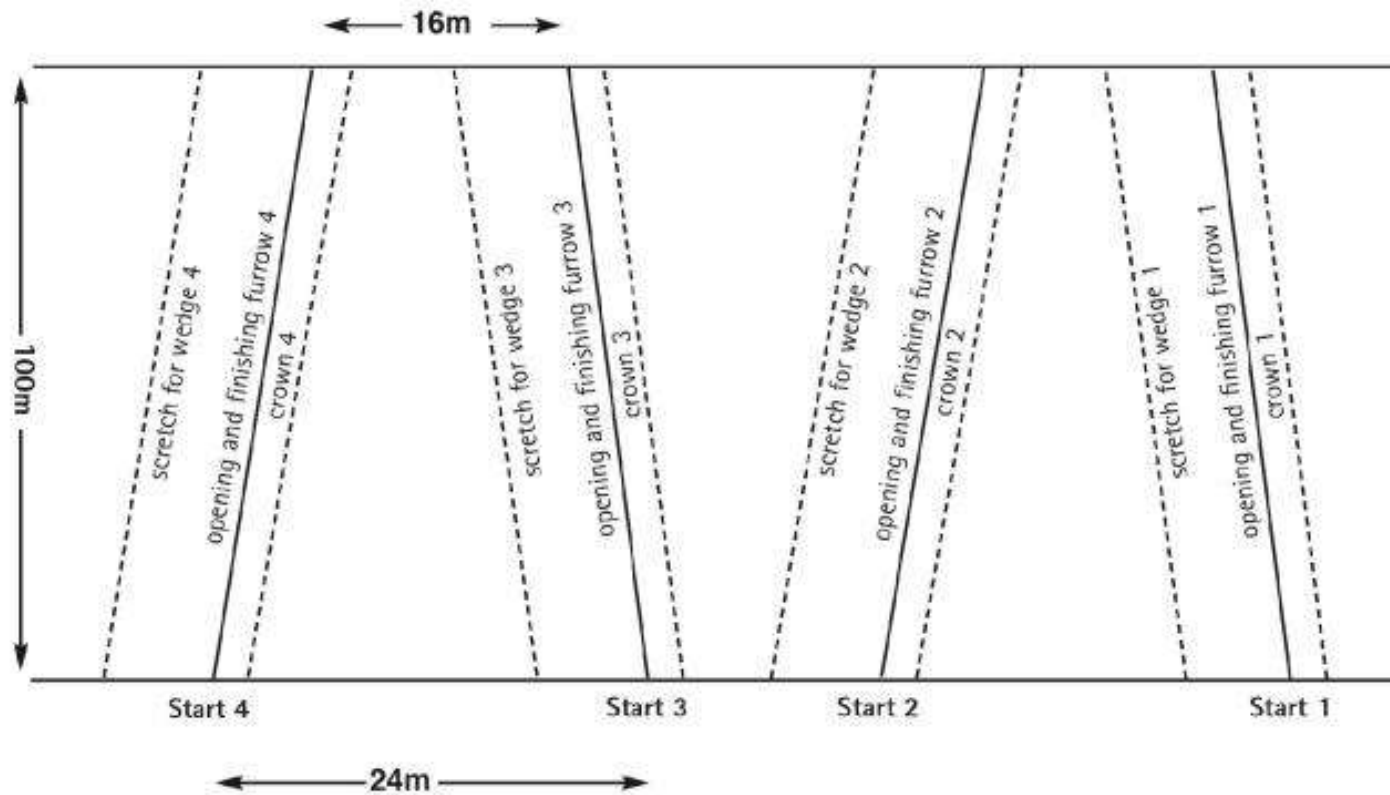
(See fig 2)





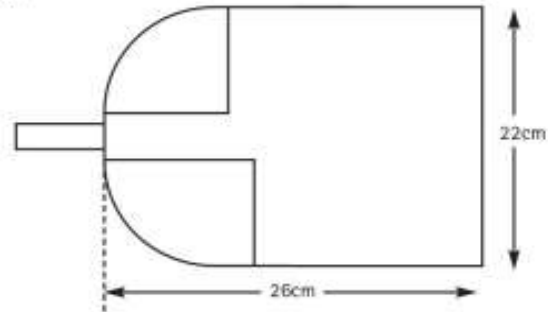
# LAYOUT OF PLOTS – REVERSIBLE PLOUGHS

Plotplan reversible ploughing, standard size 100m x 16/24m (not to scale)

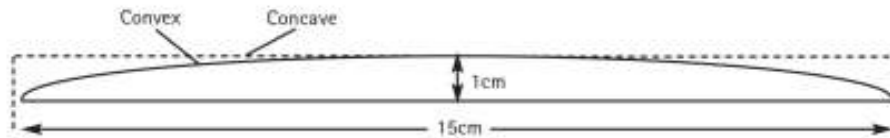


# SKETCH OF APPROVED TAILPIECE

Maximum Length and Width



Ratio of Concave or Convex = 1-15



Maximum Overall Length from Mouldboard

