



Outlanding

Yes, it will happen

Cross country pilots outland

Yes...all of them.

You need:

Skills/knowledge to plan, prepare and execute a safe landing in an unknown field

Being skilled in this area will open up a world of safe XC flying



Must haves

- Time to plan your safe landing. Planning and execution as per standard procedures.
- Always have safe options identified and in glide/reach – at all times.
- Be able to monitor your height without instruments.
- Be able to select a safe landing area (identify obstacles accurately)



Be aware

- Outlandings can happen with local soaring. Yes, seriously.
- On XC, you should always know where your safe landing options are. Look well ahead (min 20-40km).
- Flying over/around unlandable areas. ALWAYS have glide to a known safe landing option.



Safe Outlanding

Cut off decision. You're now landing not soaring.

- Have established cut off height
- Always have safe options in reach.
- Give yourself time to assess your landing option and execute a standard, safe landing.

Trap

Looking for that 'last thermal' to get away



Outlanding looking likely??

- Have selected field by 1500 AGL. Assess for obstacles and remain close until ready to start circuit.
- Found a thermal? Great! But be careful... Don't drift away and be aware of the suitability of other surrounding paddocks.
- Didn't find a thermal? All good. Focus on landing safely. Ignore your vario.

You are now a landing pilot. Stop soaring.



Are you a safe paddock??

Know your paddock selection checklist:

- W : Wind
 - S : Size
 - S : Slope
 - S : Surface
 - S : Stock
 - S : Surrounds
 - S : SWER
- <https://www.youtube.com/watch?v=LUNFchweAdg>

British vid of paddock selection.

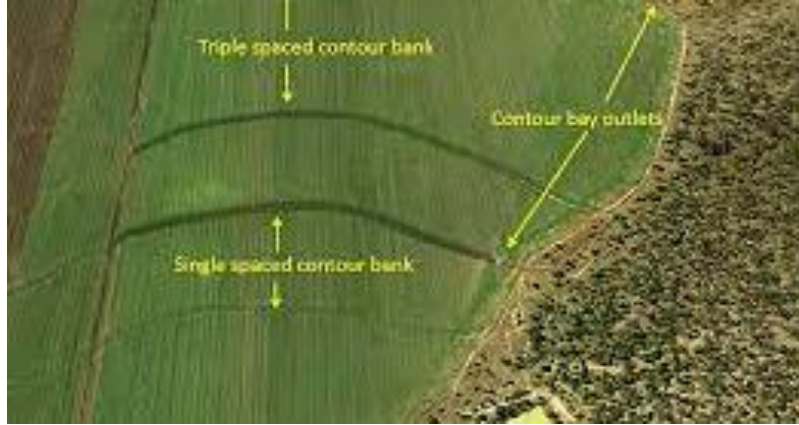
Best sections:

- *19 minutes – 23 minutes*
- *26 minutes- 36 minutes*
- *40 minutes -50 minutes*



Checking size on track – size matters





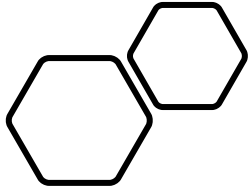
Surface/slope



Stock

- Don't land with animals.
- Sheep are 'best'. Cows walk on wings.
- Horses 'test' wings with their hooves.
- Goats climb things.
- 'Single' cows are bulls...don't go there.





SWER

Powerlines are powering something:

- Houses
- Dam pump stations
- Sheds

- Power poles can be in lines of trees along roads.
- Land over the pole
- Have to land under? Be on the ground.
- Land in a different paddock



Small Town? More power needed



Fences

NEVER continue a ground roll through a fence.

If necessary, initiate groundloop.

- Stick forward to lift tail
- Wing to ground to turn the glider

Fences can be difficult to see:

- Not always across the perimeter of a paddock
- Sometimes dividing paddock into sections
- Look for posts, and stock.



Landing

Paddock selected based on 6S criteria

Know wind direction and land into wind if possible

Landing prep at height:

- Straps tight
- Water ballast dumped
- Engine configuration set
- Radio on correct frequency
- Flaps set
- Undercarriage down
- Speed required at circuit
- Trim to speed
- Radio intentions

Normal circuit. Select landing area and aiming point.

Use ground features to judge height above ground.



Things to do at home

How to get better? Practice.

- 'Paddock select' around the club.
- OBSESS about paddocks. Check them out when you're driving around. Which ones would you land in??
- Take note of crops around club and seasons. What's the surface like??
- Imagine every landing is an outlanding. Spot land. Land EXACTLY where you want to.



Thank You

