Electric fence wiring diagram

Electric Fencing Guide

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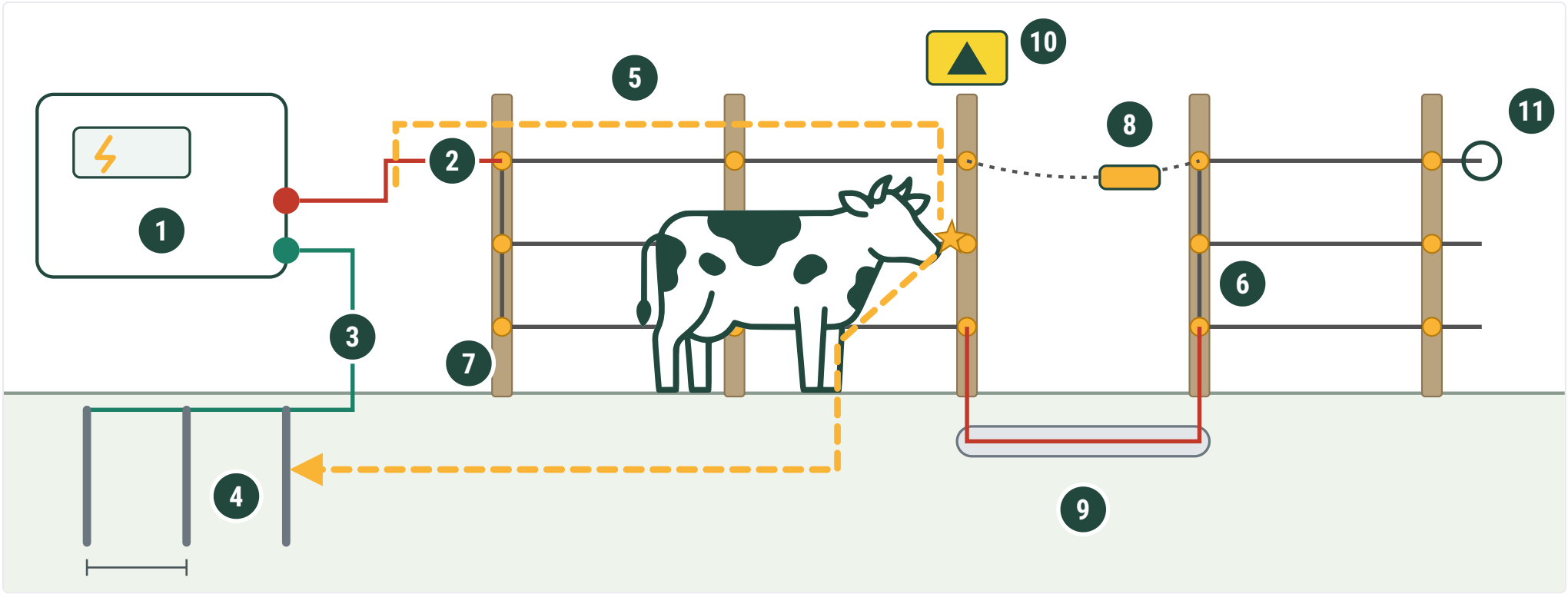

1. **Energiser** 230 V, battery or solar
2. **Lead-out cable** to the red fence terminal on the energiser
3. **Earth lead** to the green earth terminal on the energiser
4. **Earth rods, at least 1 m deep** at least 3 m apart
5. **Conductor: wire, rope or tape**
6. **Insulator**
7. **Post**
8. **Gate handle**
9. **Underground cable in conduit**
10. **Warning sign**
11. **Measure here** at the fence end, 2,500 to 4,000 V depending on the animal

Current path

The current flows from the energiser along the conductor, through the animal into the ground and back via the earth rods.

Earthing: the most common source of problems

- At least three earth rods, each about 1 m long and at least 3 m apart.
- Rule of thumb for stronger energisers: about 1 m of earth rod per joule of pulse energy.
- Choose damp spots, such as shade or a hollow. Dry sand and rock conduct poorly.
- Keep at least 10 m away from other earth systems such as house earthing, lightning protection or water pipes.

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