

4OUR RANCH · PQF BULGARIA

DIY Natural Fly Repellent Spray

We made this for horse owners who
want a safe, natural option —
especially around children or
sensitive horses



*Developed after consulting with specialists at the Bulgarian Academy of
Science to fit the needs of equine-assisted therapy.*

*Simple ingredients, no chemicals, and it smells wonderful. It works as a
natural repellent. It will not eliminate flies entirely the way a chemical
spray might, but it is safe and gentle for daily use.*



The recipe

What you need

Base recipe — 100ml / 3.4floz

- 50 ml (1.7 fl oz) rubbing (Isopropyl) alcohol 70– 90%
- 12 drops tea tree essential oil
- 6 drops citronella essential oil
- 6 drops eucalyptus essential oil
- 6 drops lemongrass essential oil
- 6 drops lavender essential oil
- 6 drops mint essential oil
- 6 drops rosemary essential oil
- 50 ml (1.7 fl oz) water — room temperature is best

How to make it

1. Pour the alcohol into a clean spray bottle.
2. Add all essential oil drops.
3. Close the bottle and shake well for 30 seconds.
4. Add the water and mix again.
5. Shake before every use — the oils separate naturally.
6. Spray over the horse's coat, legs, and belly. Avoid eyes, nostrils, and open wounds.

The story of the Spray

"When we began equine-assisted therapy with children with special needs, we needed a fly spray that was safe for everyone — no chemicals, no allergic reactions. Commercial options were expensive, hard to get, and full of ingredients we didn't trust. So we went to the Bulgarian Academy of Science, and a specialist taught us how to mix essential oils into a spray that actually works."

Making a bigger batch

500ml / 17fl oz

- 250 ml (8.5 fl oz) alcohol + 250 ml (8.5 fl oz) water
- 30 drops of each essential oil: citronella, eucalyptus, lemongrass, lavender, mint, and rosemary
- 60 drops of tea tree essential oil.

Simply multiply everything by 5. The ratio stays the same for any size.

Good to know

- Use a bottle that sprays a fine mist, not a direct stream — it covers more of the coat.
- For a lighter spray, keep 50 ml alcohol and the oil drops, but add more water.
- Reapply every 1–3 hours, or after the horse gets wet.
- You can spray it on yourself and on your horse's gear too.
- If you or anyone nearby is allergic to any of these oils, do not use the spray.
- This is a natural repellent — it limits flies, it does not eliminate them entirely.
- Shake well before every use. Store in a cool, dark place.
- Best used within 1 month.



Can you read your horse when you pick up the fly spray?

*This recipe is just one way we care for our herd. If you want to understand what your horse is already telling you, we put together a free handbook **5 Things Your Horse Is Telling You and how to answer** — the subtle signs most people miss.*

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