

I. Project name

Research project on enhancing donkey skin thickness

II. Project objectives

The project is designed to increase the per unit yield of E-Jiao by enhancing the skin thickness per donkey, thus laying a foundation for large-scale application in the future.

1. Enhancement of the thickness of donkey skin via non-GMO technologies.
2. To establish a simple and less-intrusive method for measuring the skin of large herds of live donkeys, which dials down the stress response and lowers the time for measuring every donkey to within 10 minutes and at no more than RMB 50.
3. When the feeding cost increases by less than 2%, both the dry weight and collagen content of donkey skin is increased by no less than 10% as a result of enhanced skin thickness.
4. The project is completed within a 3-year period.
5. The technologies in question can be applied on a large scale. The project deliverables are expected to be subject to tests on 200 donkeys of Dong-E E-Jiao Co., Ltd. for verification of research results.