

高加索蜜蜂对俄罗斯紫花苜蓿授粉的效果

石风善, 刘祥伟, 于文全, 高夫超, 张春峰, 陈德祥, 王庆胜

摘要:

紫花苜蓿 *Medicago sativa* 自花授粉率低, 利用传粉昆虫辅助授粉紫花苜蓿是提高单位面积种子产量和经济效益的有效途径。高加索蜜蜂 *Apis mellifera* 饲养管理方便、技术成熟、成本低。试验研究了高加索蜜蜂对俄罗斯紫花苜蓿授粉效果, 结果表明: 高加索蜜蜂吻特长, 达 7.2 mm, 每日访花始期为 9:00, 访花高峰期为 12:00, 访花结束期为 18:00。访花适宜气温为 15-25 °C, 访花速度为 30-40 朵/min, 日平均访花次数为 1.98 万-2.64 万朵/只。高加索蜜蜂授粉俄罗斯紫花苜蓿的有效放蜂容量为 125 000 只/hm² 以上 (6 个以上强群高加索蜜蜂), 俄罗斯紫花苜蓿最高表现种子产量为 1 067.6 kg/hm²。

关键词: 俄罗斯紫花苜蓿; 高加索蜜蜂; 授粉; 有效放蜂容量

Effect of *Apis mellifera* on pollinizing effectiveness of Russian alfalfa

SHI Feng shan, LIU Xiang wei, YU Wen quan, GAO Fu chao, CHEN De xiang

Abstract:

It is a effective way to increase the seed yield of alfalfa by using pollinating insect, and for this purpose, the effect of *Apis mellifera* on alfalfa pollination was studied. The result indicated that the beak length of *A. mellifera* was 7.2 mm. It visited the flowers from 9:00 every day and the visiting peak period was from 12:00 to 18:00. The suitable temperature for the visiting was from 15 to 25 °C, and the visiting speed was 30 to 40 flowers per minute. The average number of visited flowers was 19800 to 26 400 flowers per day per head. The effective capacity of *A. mellifera* to pollinize Russian alfalfa was more than 125 000 heads/hm² and the maximum seed yield was 1 067.6 kg/hm².

Keywords: Russian alfalfa; *Apis mellifera*; pollination; effective capacity of honeybee

收稿日期 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

作者Email:

参考文献:

本刊中的类似文章

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF (530KB)
- ▶ [HTML全文]
- ▶ 参考文献PDF
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

- ▶ 俄罗斯紫花苜蓿; 高加索蜜蜂; 授粉; 有效放蜂容量

本文作者相关文章

PubMed