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2. Exoglucanase (1,4-β-glucan cellobiohydrolase, EC 3.2.1.91, CBH)

3. β-Glucosidase (β-D-glucoside glucohydrolase or cellobiase, EC 3.2.1.21)

E-mail: aa\_safari@basu.ac.ir

1- Endoglucanase (1,4-β-glucan glucohydrolase, EC 3.2.1.4, EG)

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| کاربری و مدیریت                 | میانگین   | انحراف معیار |
|---------------------------------|-----------|--------------|
| جنگل پهن برگ                    | ۰/۳۸۴ a   | ۰/۱۹۴        |
| جنگل سوزنی برگ                  | ۰/۲۸۹ ab  | ۰/۱۴۳        |
| چراگاه                          | ۰/۲۶۵ abc | ۰/۱۳۹        |
| کشتزار آبیاری شده با آب رودخانه | ۰/۲۷۳ ab  | ۰/۱۱۷        |
| کشتزار آبیاری شده با فاضلاب     | ۰/۲۴۰ bc  | ۰/۰۸۴        |
| دیمنزار                         | ۰/۱۷۰ c   | ۰/۰۴         |

(SIR)

1. Feed back inhibition

| ویژگی خاک            | ضریب همبستگی | ویژگی خاک                  | ضریب همبستگی | ویژگی خاک      | ضریب همبستگی |
|----------------------|--------------|----------------------------|--------------|----------------|--------------|
| شن                   | -۰/۰۶        | فسفر فراهم                 | ۰/۰۳۶        | تنفس پایه      | ۰/۳۹۹**      |
| سیلت                 | ۰/۰۹         | پتاسیم فراهم               | ۰/۰۲۳        | تنفس برانگیخته | ۰/۱۹۴*       |
| رس                   | ۰/۰۱۰۲       | نسبت کربن به نیتروژن       | ۰/۲۶۶**      | ازتوباکتر a    | ۰/۰۸         |
| گنجایش تبادل کاتیونی | ۰/۰۶۲        | نسبت کربن به فسفر          | ۰/۰۸۱        | ازتوباکتر b    | ۰/۰۲۸        |
| آهک معادل            | -۰/۰۳        | نسبت کربن به پتاسیم        | ۰/۰۵۳        | باکتری ها      | ۰/۰۱۵        |
| کربن آلی             | ۰/۳۵**       | نسبت نیتروژن به فسفر       | ۰/۰۵۴        | اکتیو میست ها  | -۰/۰۵        |
| رسانایی الکتریکی     | ۰/۱۵         | نسبت نیتروژن به پتاسیم     | -۰/۰۲        | قارچ ها        | ۰/۷۰۵***     |
| پ-اچ                 | -۰/۳۹**      | نسبت فسفر به پتاسیم        | -۰/۱۱        | فسفاتاز اسیدی  | ۰/۳۸۴**      |
| نیتروژن کل           | ۰/۳۱۷**      | اسپور قارچ های اندومیکوریز | ۰/۱۳۲        | فسفاتاز بازی   | ۰/۳۵**       |

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