

عنوان مقاله:

تأثیر آبیاری تکمیلی و تلقیح بذر با کودهای زیستی بر عملکرد و برخی صفات فیزیولوژیک گندم دیم رقم رصد

محل انتشار:

مجله فرآیند و کارکرد گیاهی، دوره 9، شماره 39 (سال: 1399)

تعداد صفحات اصل مقاله: 17

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خلاصه مقاله:

In order to study the effects of supplementary irrigation and seed inoculation by bio fertilizer on yield and some physiological traits of rainfed wheat (Rasad cultivar), a factorial experiment was conducted based on randomized complete block design with three replications in Agricultural Research Station of Ardabil in ۲۰۱۶. The factors experimental were included supplementary irrigation at three levels, once supplementary irrigation at booting stage (I₁), once supplementary irrigation at heading (I₂) and no irrigation as rain fed (I₃), and biofertilizers in four levels without application of bio fertilizers as control (B₁), seed inoculation with Azospirillum (B₂), mycorrhizal application (B₃), both application mycorrhizal and Azospirillum (B₄). Means comparison showed that application of both bio fertilizers (mycorrhiza and Azospirillum) and once supplementary irrigation at booting stage and once supplementary irrigation at heading increased the grain yield about ۳۵.۲۷ and ۲۸.۹% respectively in comparison with application of bio fertilizers under rainfed conditions. Both application mycorrhiza and Azospirillum and once supplementary irrigation at booting stage increased maximum fluorescence (F_m), variable fluorescence (F_v), chlorophyll index and relative water content of flag leaf in comparison with no application of bio fertilizers under rainfed condition. Rainfed conditions (increased electrical conductivity and minimum fluorescence (F_o).

کلمات کلیدی:

relative water content, electrical conductivity, Mycorrhiza, Water limitation
محتوای نسبی آب، محدودیت آبی، میکوریز، هدایت الکتریکی.

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