

# **Arbuscular mycorrhizal fungi (AMF) enhanced the growth, yield, fiber quality and phosphorus regulation in upland cotton (*Gossypium hirsutum* L.)**

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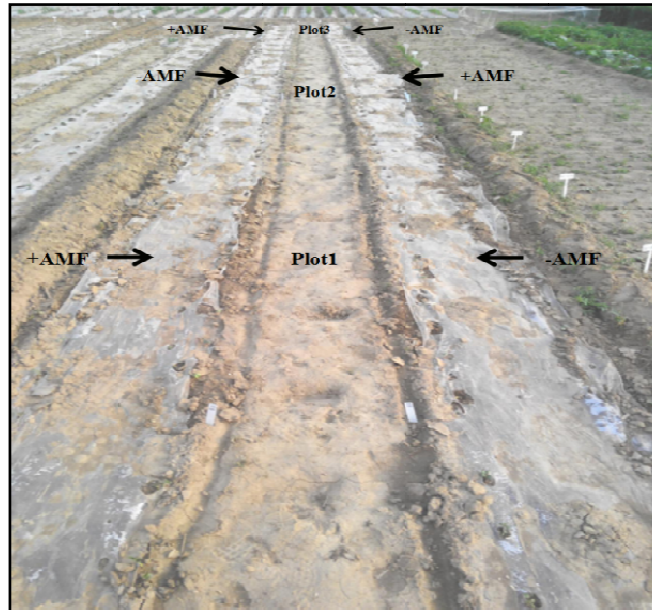
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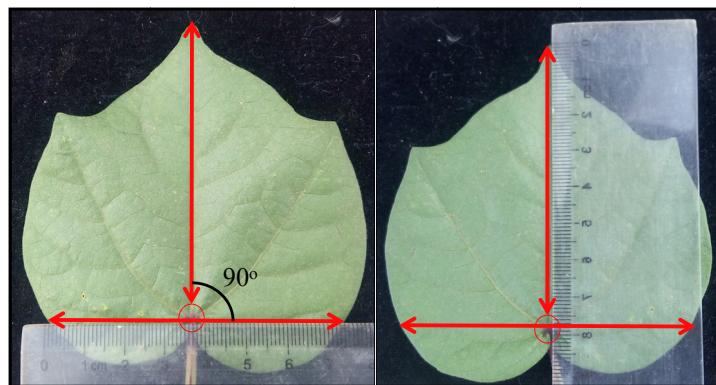
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## Supplementary Data:



**Fig. S1** The design of experimental plots in the field. +AMF indicate AMF was inoculated by *R. irregularis*, -AMF none.



**Fig. S2** Method for measuring leaf width/length. The fourth leaf from the top of the main stem was the functional leaf. The distance from the leaf tip to the red point of the leaf base is the length of the functional leaf. The width of the functional leaf is measured through the red point of the leaf base, perpendicular to the vertical length axis. The seedling was considered a relative strong seedling if the leaf width was greater than the length; otherwise, the seedling was considered a relative weak seedling.

**Table S1** The sequences of phosphate transporter family genes primers in cotton

Primer name	Forward (sense) (5'-3')	Reverse (antisense) (5'-3')
<i>Gh_D02G0263</i>	TCAATGCGGAACAAGAGAAG	CCGCAGAGTGCAATAAGTGT
<i>Gh_A02G0202</i>	GCAGCTGCTGTTAATGGTGT	GGATAATCACCACCGATTCC
<i>Gh_D02G0264</i>	TTGGCGGATCATACTGATGT	CTTCTCTTGTTCCGCATTGA
<i>Gh_A02G0203</i>	GCAGCTGCTGTTAATGGTGT	GGATAATCACCACCGATTCC
<i>Gh_A07G1937</i>	CTGGGATGGGTTTCTTCACT	TTATCACCAAGCCAACCAAA
<i>Gh_D07G2154</i>	GGCTATCCCGTATGACCACT	GACGAATGTGGTGGCATTAG
<i>Gh_A07G1600</i>	TGGGAGTGATCAGCTTCTTG	TCTGTTGTCCACCCTGTGTT
<i>Gh_D07G1801</i>	ATCGAAAGGGAAATCACTGG	TCGTCCACCTTGTGTTTGAT
<i>Gh_A09G0566</i>	CTATTGCCTCTGGCTTGCA	TAAGCAGGTGCCTTGTATGC
<i>Gh_D09G0567</i>	ATCCCGGCTGCTCTTACTTA	CTTTGCAACAAGGGCAGTAA
<i>Gh_A10G1124</i>	ATCGCTTATCGCACTTTGTG	ATTGAATTGTGAACCTGCCA
<i>Gh_D10G1372</i>	ATCGCTTATCGCACTTTGTG	ATTGAATTGTGAACCTGCCA
<i>Gh_A11G1201</i>	TGGTGCAATTTGGATTCTTGT	GACTCCAATACCAGCAGGGT
<i>Gh_D11G1359</i>	ACGGTGTTTCATGTTTCACT	ACAAGAATCCAATGCACCA
<i>GhUB7</i>	GAAGGCATTCCACCTGACCAAC	CTTGACCTTCTTCTTGTGCTTG