ꯑꯦꯗꯤꯇꯣꯔꯤꯌꯦꯜ IMPHAL, MONDAY, MARCH 09 2020 ꯅꯤꯡꯊꯧꯀꯥꯕ, ꯂꯝꯇꯥꯒꯤ ꯊꯥꯅꯤꯟ, ꯃꯥꯂꯤꯌꯥ ꯀꯨꯝꯁꯤꯡ 3417 obT\ꯂꯩ ꯃꯀꯩꯋ꯭ꯀ
2 HUEIYEN LANPAO

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
ꯅꯤꯡꯊꯧꯀꯥꯕ, ꯃꯥꯔꯆ 09, 2020, ꯏꯝꯐꯥꯜ
11 ꯁꯨꯕ ꯆꯍꯤ, 320 ꯁꯨꯕ ꯃꯁꯤꯡ
ꯄꯥꯎꯆꯦ ꯑꯁꯤꯗ ꯐꯣꯡꯖꯔꯤꯕ ꯋꯥꯔꯦꯡꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜ, ꯃꯤꯠꯌꯦꯡ ꯑꯏꯕ ꯃꯁꯥ ꯃꯁꯥꯒꯤꯅꯤ꯫ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜꯂꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯤꯠꯌꯦꯡꯒ ꯊꯣꯏꯗꯣꯛꯅ ꯃꯔꯤ ꯂꯩꯅꯗꯦ꯫

ꯑꯅꯧꯕ ꯃꯇꯝꯒꯤ ꯂꯧꯎ ꯀꯥꯡꯂꯣꯟ (ꯒ꯭ꯔꯤꯟ ꯔꯤꯚꯣꯂꯨꯁꯟ) ꯂꯥꯛꯄꯗꯒꯤ ꯑꯩꯈꯣꯏꯅ ꯑꯍꯦꯟꯕ
ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯅꯕꯒꯤ ꯄꯥꯟꯗꯝꯗ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯍꯥꯔꯁꯤꯡ ꯍꯦꯟꯅ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯄ
ꯉꯝꯕ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯈꯜꯁꯤꯡ ꯑꯃꯗꯤ ꯍꯥꯏꯕ꯭ꯔꯤꯠꯁꯤꯡ ꯁꯤꯖꯤꯟꯅꯕꯅ ꯃꯔꯝ ꯑꯣꯏꯗꯨꯅ ꯑꯩꯈꯣꯏꯒꯤ
ꯑꯀꯣꯏꯕꯗ ꯂꯩꯔꯤꯕ ꯏꯁꯤꯡ ꯅꯨꯡꯁꯤꯠ ꯑꯅꯗꯤ ꯂꯩꯕꯥꯛꯇ ꯃꯣꯠꯁꯤꯜꯍꯜꯂꯤ꯫ ꯃꯁꯤꯅ ꯃꯔꯝ ꯑꯣꯏꯗꯨꯅ
ꯂꯩꯕꯥꯛꯇ ꯂꯩꯕ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ ꯌꯥꯎꯅꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯂꯊꯜꯂꯤ ꯂꯣꯏꯅꯅ ꯃꯈꯣꯏꯒꯤ
ꯃꯔꯛꯇ ꯂꯩꯒꯗꯕ ꯈꯜꯗ ꯑꯀꯥꯏꯕ ꯄꯤꯕꯒ ꯂꯣꯏꯅꯅ ꯑꯣꯔꯒꯥꯅꯤꯛ ꯃꯦꯠꯇꯔ ꯍꯥꯏꯔꯒ ꯈꯪꯅꯕ ꯁꯥ-

ꯉꯥ ꯑꯃꯗꯤ ꯄꯥꯝꯕꯤ-ꯁꯤꯡꯕꯤꯒꯤ ꯐꯠꯇ-ꯍꯧꯗꯤꯗꯒꯤ ꯑꯣꯏꯕ ꯂꯩꯁꯥꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨ ꯌꯥꯎꯕꯒꯤ ꯆꯥꯡ
ꯍꯟꯊꯍꯜꯂꯤ꯫ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯑꯣꯏꯕ ꯇꯤꯜꯍꯥꯠ ꯍꯤꯗꯥꯛ, ꯀꯣꯛꯐꯥꯏ ꯍꯤꯗꯥꯛ ꯑꯃꯗꯤ ꯅꯥꯄꯤ ꯍꯤꯗꯥꯛ
ꯀꯥ ꯍꯦꯟꯅ ꯁꯦꯖꯤꯟꯅꯕꯅ ꯂꯧꯎ-ꯁꯤꯡꯎꯕꯒꯤ ꯄꯣꯠꯊꯣꯛ ꯍꯦꯟꯒꯠꯍꯜꯂꯕꯁꯨ ꯀꯥꯟꯅꯕ ꯄꯤꯕ ꯉꯝꯕ
ꯇꯤꯜ, ꯀꯥꯡ ꯑꯃꯗꯤ ꯑꯇꯣꯞꯄ ꯍꯤꯡꯀꯨꯞꯁꯤꯡ (ꯕꯦꯅꯤꯐꯤꯁꯤꯑꯦꯜ ꯃꯥꯏꯀ꯭ꯔꯣ ꯑꯣꯔꯒꯥꯅꯤꯖꯝ) ꯒꯤ
ꯃꯁꯤꯡ ꯍꯟꯊꯍꯟꯗꯨꯅ ꯂꯧꯐꯝ ꯑꯗꯨ ꯂꯩꯍꯥꯎ ꯂꯩꯕ ꯍꯟꯊꯍꯜꯂꯤ ꯂꯣꯏꯅꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ ꯂꯥꯏꯅ
ꯃꯈꯜ ꯀꯌꯥ ꯅꯥꯊꯟꯅꯕꯒꯤ ꯃꯔꯝ ꯑꯣꯏꯍꯜꯂꯤ꯫

ꯂꯦꯞꯄ ꯂꯩꯇꯅ ꯍꯦꯟꯒꯠꯂꯛꯂꯤꯕ ꯃꯤꯄꯨꯃ ꯈꯨꯗꯤꯡꯕꯨ ꯆꯥꯕ ꯀꯣꯟꯅꯅꯕ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯅꯕ
ꯍꯣꯠꯅꯕ ꯃꯇꯝꯗ ꯑꯍꯦꯟꯕ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯍꯥꯔ ꯄꯨꯊꯣꯛꯕ ꯇꯥꯔꯛꯏ꯫ ꯃꯁꯤꯅ ꯑꯩꯈꯣꯏꯒꯤ
ꯑꯀꯣꯏꯕ ꯑꯁꯤ ꯀꯥ ꯍꯦꯟꯅ ꯃꯣꯠꯁꯤꯜꯍꯟꯗꯨꯅ ꯃꯤꯑꯣꯏꯕ ꯑꯃꯗꯤ ꯑꯇꯣꯞꯄ ꯖꯤꯕꯁꯤꯡꯅ
ꯍꯤꯡꯕꯗ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ ꯃꯐꯝ ꯑꯃ ꯑꯣꯏꯍꯜꯂꯛꯏ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯈꯨꯟꯁꯦꯝꯒꯤ ꯍꯥꯔꯁꯤꯡ
ꯑꯁꯤꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯍꯟꯅꯕꯒꯤꯗꯃꯛ ꯑꯇꯣꯞꯄ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯕ ꯌꯥꯕ
ꯄꯣꯠꯂꯝꯁꯤꯡ ꯁꯤꯖꯤꯟꯅꯕ ꯍꯥꯏꯕꯁꯤ ꯇꯉꯥꯏꯐꯗꯕ ꯑꯃ ꯑꯣꯏꯔꯦ꯫ ꯑꯁꯨꯝꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯗ
ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯕ ꯌꯥꯕ ꯄꯣꯠꯂꯝꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯍꯥꯏꯕꯁꯤꯁꯨ ꯑꯃꯅꯤ꯫

ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯍꯥꯏꯕꯁꯤ ꯑꯍꯤꯡꯕ ꯖꯤꯕ/ꯑꯃꯨꯛ ꯍꯟꯅ ꯃꯊꯧ ꯄꯥꯡꯊꯣꯛꯈꯤꯕ ꯉꯝꯒꯗꯕ
ꯖꯤꯕꯁꯤꯉ ꯃꯈꯣꯏꯅ ꯂꯩꯕꯗ ꯅꯨꯡꯉꯥꯏꯒꯗꯕ ꯄꯣꯠꯂꯝꯁꯤꯗ ꯇꯣꯠꯁꯤꯅꯗꯨꯅ ꯁꯦꯝꯕ ꯄꯣꯠꯆꯥꯛ
ꯑꯃꯅꯤ꯫ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔꯒꯤ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯃꯈꯜꯁꯤꯡꯅ ꯅꯨꯡꯁꯤꯠꯇ ꯃꯔꯥꯡ ꯀꯥꯏꯅ
ꯌꯥꯎꯔꯤꯕ ꯅꯥꯏꯇ꯭ꯔꯖꯦꯟꯕꯨ ꯄꯥꯝꯕꯤꯁꯤꯉꯒꯤꯗꯃꯛ ꯐꯥꯖꯤꯜꯂꯤ ꯂꯣꯏꯅꯅ ꯂꯩꯕꯥꯛꯇ ꯃꯔꯥꯡ ꯀꯥꯏꯅꯗꯤ
ꯌꯥꯎꯖꯔꯕꯁꯨ ꯄꯥꯝꯕꯤꯅ ꯂꯧꯈꯠꯇꯨꯅ ꯁꯤꯖꯤꯟꯅꯕ ꯉꯝꯗꯕ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯈꯜ ꯈꯔ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ
ꯐꯪꯍꯟꯕꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ ꯑꯃꯗꯤ ꯁꯥ-ꯉꯥ ꯑꯃꯗꯤ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯐꯠꯇ-ꯍꯧꯗꯤꯁꯤꯡ ꯈꯣꯡꯖꯦꯜ
ꯌꯥꯡꯅ ꯄꯠꯊ-ꯄꯨꯝꯊꯍꯟꯗꯨꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯕꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫

ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎꯒꯤ ꯈꯜ ꯉꯥꯛꯄ ꯑꯃꯗꯤ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯄꯗ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔꯅ
ꯂꯧꯔꯤꯕ ꯊꯧꯗꯥꯡ:

-ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕꯅ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯍꯥꯔ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯆꯥꯉ ꯍꯟꯊꯊꯟꯕ
ꯉꯝꯏ꯫

-ꯅꯨꯡꯁꯤꯠꯇ ꯌꯥꯎꯕ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯐꯥꯗꯨꯅ ꯄꯥꯝꯕꯤꯗ ꯄꯤꯕ ꯉꯝꯕ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ
ꯃꯈꯜꯁꯤꯡꯅ caicTt ꯆꯍꯤ ꯑꯃꯗ ꯅꯥꯏꯇꯔꯣꯖꯦꯅ ꯀꯦꯖꯤ 20-200 ꯐꯥꯎꯕꯒꯤ ꯆꯥꯡꯗ ꯂꯧ
ꯄꯔꯤ ꯑꯃꯒꯤ ꯂꯧꯐꯝꯗ ꯄꯤ꯫ ꯃꯁꯤꯅ ꯄꯥꯝꯕꯤꯗ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯗꯕ
ꯄꯥꯝꯕꯤꯁꯤꯡꯗꯒꯤ ꯄꯣꯠꯊꯣꯛ ꯆꯥꯗꯥ 15.25 ꯐꯥꯎꯕꯒꯤ ꯆꯥꯡꯗ ꯍꯦꯟꯒꯠꯍꯜꯂꯤ꯫ ꯔꯥꯏꯖꯣꯕꯤꯌꯝ
ꯌꯥꯎꯕ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔꯅ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯀꯦꯖꯤ 50-100, ꯑꯦꯖꯣꯁꯄ꯭ꯔꯤꯂꯤꯜꯌꯝ ꯅꯠꯇ꯭ꯔꯒ
ꯑꯦꯖꯣꯇꯣꯕꯦꯛꯇꯔ ꯌꯥꯎꯕ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔꯅ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯟ ꯀꯦꯖꯤ 40-80, ꯕ꯭ꯂꯨ ꯒ꯭ꯔꯤꯟ
ꯑꯜꯒꯤ ꯍꯥꯏꯕ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯃꯈꯜ ꯑꯁꯤꯅ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯅ ꯀꯦꯖꯤ 20-40 ꯂꯧ ꯄꯔꯤ
ꯑꯃꯒꯤ ꯂꯧꯐꯝꯗ ꯆꯍꯤ ꯑꯃꯗ ꯄꯤꯕ ꯉꯝꯏ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯃꯈꯜ ꯈꯔ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯔꯥꯏꯖꯣꯕꯤꯌꯨ, ꯕ꯭ꯂꯨ ꯒ꯭ꯔꯤꯟ ꯑꯜꯒꯤ
ꯑꯃꯗꯤ: ꯑꯦꯖꯣꯇꯣꯕꯦꯛꯇꯔ ꯃꯈꯜꯁꯤꯡꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ ꯊꯨꯅ ꯆꯥꯎꯈꯠꯄꯗ ꯃꯇꯦ ꯄꯥꯡꯕ
ꯄꯣꯠꯂꯝꯁꯤꯡ ꯑꯣꯏꯅ ꯚꯤꯇꯥꯃꯤꯟ ꯕꯤ ꯀꯝꯄ꯭ꯂꯛꯁ, ꯏꯅꯗꯣꯜ ꯑꯦꯁꯤꯇꯤꯛ ꯑꯁꯤꯗ,
ꯒꯤꯕꯦꯔꯦꯂꯤꯛ ꯑꯦꯁꯤꯗꯅꯆꯤꯡꯕ ꯄꯣꯠꯊꯣꯛꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯇꯣꯠꯂꯕ ꯃꯔꯨꯁꯤꯡꯅ ꯃꯇꯣꯟ ꯊꯨꯅ ꯊꯣꯛꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕꯅ ꯄꯥꯝꯕꯤꯒꯤ ꯄꯣꯠꯊꯣꯛ ꯍꯦꯟꯒꯠꯍꯟꯕꯗ NTgn

ꯄꯨꯊꯣꯛꯂꯤꯕ ꯄꯣꯠꯂꯝꯁꯤꯒꯤ ꯃꯒꯨꯟ ꯍꯦꯟꯒꯠꯍꯜꯂꯤ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕꯅ ꯑꯩꯈꯣꯏꯅ ꯁꯤꯖꯤꯟꯅꯔꯤꯕ ꯇꯣꯉꯥꯅ ꯇꯣꯉꯥꯟꯕ
ꯄꯥꯝꯕꯤꯒꯤ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ ꯄꯥꯝꯕꯤꯅ ꯀꯥꯟꯅꯕ ꯃꯑꯣꯡꯗ ꯑꯣꯟꯊꯣꯛꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕ ꯄꯥꯝꯒꯤꯁꯤꯡꯅ ꯃꯔꯨ-ꯃꯔꯥ ꯍꯦꯟꯅ ꯐꯥꯗꯨꯅ ꯄꯥꯝꯕꯤꯗ
ꯑꯍꯦꯟꯕ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ, ꯅꯣꯡꯖꯨ ꯅꯨꯡꯁꯥ ꯑꯃꯗꯤ ꯇꯦꯜ-ꯁꯥꯡꯅ
ꯄꯤꯕ ꯆꯩꯊꯦꯡꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯍꯜꯂꯤ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕ ꯂꯧꯐꯝꯅ ꯂꯩꯕꯥꯛ ꯂꯩꯁꯥ ꯀꯨꯏꯅ ꯐꯅ ꯊꯝꯕꯗ ꯃꯇꯦꯡ
ꯄꯥꯡꯏ꯫

- ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯁꯤꯖꯤꯟꯅꯕꯅ ꯊꯥꯔꯤꯕ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯑꯗꯨꯇ ꯅꯠꯇꯅ ꯃꯗꯨꯡ
ꯇꯥꯔꯛꯄꯗ ꯊꯥꯕ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤꯁꯨ ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤ꯫

ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ ꯃꯈꯜꯁꯤꯡ-

ꯅꯨꯡꯁꯤꯠꯇ ꯌꯥꯎꯕꯥ ꯅꯥꯏꯇ꯭ꯔꯣꯖꯦꯅ ꯐꯥꯗꯨꯅ ꯁꯤꯖꯤꯟꯅꯕ ꯉꯝꯕ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ (ꯁ)
ꯔꯥꯏꯖꯣꯕꯤꯌꯝ (ꯈ) ꯑꯦꯖꯣꯕꯦꯛꯇꯔ (ꯒ) ꯑꯦꯀꯣꯁꯄꯤꯔꯤꯂꯤꯜꯌꯝ (ꯘ) ꯕ꯭ꯂꯨ ꯒ꯭ꯔꯤꯟ ꯑꯜꯒꯤ (5)
ꯑꯖꯣꯂꯥ꯫

ꯄꯥꯝꯕꯤꯅ ꯁꯤꯖꯤꯟꯅꯕ ꯉꯝꯗꯕ ꯐꯣꯁꯐꯔꯁꯁꯤꯡꯕꯨ ꯄꯥꯝꯕꯤꯗ ꯐꯪꯍꯟꯕꯥ ꯉꯝꯕ ꯖꯤꯕꯁꯤꯡ:-

ꯃꯈꯜ ꯑꯁꯤꯒꯤ ꯃꯅꯨꯡꯗꯥ ꯕꯦꯛꯇꯦꯔꯤꯌꯥ ꯃꯈꯜꯁꯤꯡ ꯈꯨꯗꯝ ꯑꯣꯏꯅ Bacillus Megaterium;

B-circulans; B-subtilis, Pseudomonas striata Ligitatum, Trichoderma

ꯅꯆꯤꯡꯕ ꯁꯤꯖꯤꯟꯅꯕꯥ ꯌꯥꯏ꯫

Vesicular arbuscular mycorrhizaes (VAM)< mSL Asigi hiZkuP

ꯃꯈꯜ ꯑꯁꯤꯅ ꯄꯥꯝꯕꯤꯒꯤ ꯊꯨꯅ ꯆꯥꯎꯈꯠꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ ꯗꯔꯀꯥꯔ ꯂꯩꯕ
ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ ꯂꯧꯈꯠꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯕꯗ ꯅꯠꯇꯅ ꯂꯥꯏꯅ ꯀꯌꯥꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯄꯗ
ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯈꯜꯒꯤ ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔꯁꯤꯡ ꯑꯁꯤꯗ ꯁꯤꯖꯤꯟꯅꯕ ꯀꯌꯥ
ꯍꯤꯡꯀꯨꯞꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ Endogone, ꯘꯂꯣꯃꯨꯁ, ꯈꯆꯂꯦꯔꯣꯆꯌꯁꯇꯤꯁ, Acantosporaceae,

Entrophosphora, ꯑꯆꯥꯅꯂꯣꯁꯄꯣꯔꯥ, ꯘꯤꯒꯥꯁꯄꯣꯔꯥ ꯅꯆꯤꯡꯕ ꯄꯟꯕ ꯌꯥꯏ꯫

Plant ꯒꯔꯣꯋꯇꯍ Promoting Rhizobacteria (PGPR): ꯄꯥꯝꯕꯤꯒꯤ ꯃꯔꯥꯒꯤ
ꯑꯁꯣꯏꯕꯗ ꯂꯩꯕ ꯖꯤꯕ ꯃꯈꯜ ꯈꯔꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯕꯨ ꯆꯥꯎꯈꯠꯄꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫ ꯑꯁꯤꯒꯨꯝꯕ
ꯖꯤꯕ ꯃꯈꯜꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ Arthobactor ꯑꯉꯣꯇꯣꯕꯥꯆꯇꯣꯔ, Callermonas

Pseudomones, Bacillus ꯅꯒꯤꯡꯕ ꯄꯟꯕ ꯌꯥꯏ꯫

ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯖꯤꯕ ꯃꯈꯜ ꯈꯔꯗꯤ Salphur, Potosh and Zinc ꯅꯆꯤꯡꯕ
ꯄꯥꯝꯕꯤꯁꯤꯡ ꯐꯪꯊꯅꯕꯗ ꯃꯇꯦꯡ ꯄꯥꯡꯏ꯫

ꯑꯁꯨꯝꯅ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯍꯤꯡꯀꯨꯞ ꯃꯈꯜꯁꯤꯉ ꯑꯁꯤ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯄꯥꯝꯕꯤꯒꯤ
ꯗꯔꯀꯥꯔ ꯂꯩꯕ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ ꯐꯪꯍꯟꯗꯨꯅ ꯈꯨꯠꯁꯦꯝꯒꯤ ꯍꯥꯔ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯍꯟꯗꯨꯅ
ꯂꯤꯁꯥꯡꯁꯤꯠꯅ ꯂꯧꯎ-ꯁꯤꯡꯎ ꯇꯧꯕ ꯌꯥꯕ ꯃꯐꯝ ꯑꯃ ꯑꯣꯏꯍꯟꯕꯒ ꯂꯣꯏꯅꯅ ꯃꯁꯥ ꯃꯎ ꯐꯕ
ꯂꯝꯗꯝ ꯑꯃ ꯑꯣꯏꯕꯗ ꯄꯨꯝꯅꯃꯛꯁꯨ ꯊꯣꯗꯥꯡ ꯂꯧꯃꯤꯟꯅꯕꯁꯤ ꯃꯇꯝ ꯑꯁꯨ ꯌꯧꯔꯦ꯫
ꯄꯥꯝꯕꯤꯗ ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯕ ꯉꯝꯕ ꯑꯍꯤꯡꯕ ꯖꯤꯕ (ꯕꯥꯏꯑꯣꯐꯔꯇꯤꯂꯥꯏꯖꯔ)
ꯂꯧꯃꯤꯁꯤꯡꯒꯤ ꯀꯥꯈꯜ
ꯕꯥꯏꯑꯣ ꯗꯥꯏꯚꯔꯁꯤꯇꯤꯒꯤ ꯃꯔꯨ-ꯑꯣꯏꯕ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯕꯨ ꯃꯥꯡꯗꯅꯕ ꯊꯧꯔꯝ ꯈꯔ
ꯗꯣ. ꯋꯥꯏꯈꯣꯝ ꯖꯤꯇꯦꯟ
ꯃꯥꯂꯦꯝꯁꯤꯗ ꯂꯩꯔꯤꯕ ꯊꯋꯥꯏ
ꯄꯥꯟꯕ (ꯄꯥꯝꯕꯤ, ꯃꯤꯑꯣꯏꯕ ꯌꯥꯎꯁ
ꯁꯥ-ꯉꯥ, ꯎꯆꯦꯛ-ꯋꯥꯌꯥ, ꯇꯤꯜ-ꯀꯥꯡ,
ꯍꯤꯡꯀꯨꯞ) ꯈꯨꯗꯤꯡꯃꯛꯄꯨ ꯄꯨꯟꯅ
ꯕꯥꯏꯑꯣ ꯗꯥꯏꯚꯔꯁꯤꯇꯤ ꯍꯥꯏꯅ ꯈꯪꯅꯩ꯫

ꯍꯥꯏꯔꯤꯕ ꯑꯄꯨꯟꯕ ꯃꯁꯤꯡꯁꯤꯒꯤ
ꯈꯔ ꯈꯔ ꯂꯝꯗꯝ ꯈꯨꯗꯤꯡꯃꯛꯇ ꯃꯥꯒꯤ
ꯃꯥꯒꯤ ꯍꯩꯅꯖꯕ/ꯆꯥꯅꯖꯕ ꯃꯐꯝꯁꯤꯡꯗ
ꯆꯥꯏꯊꯣꯛꯇꯨꯅ ꯍꯤꯡꯂꯤꯕꯅꯤ꯫ ꯃꯐꯝ
ꯑꯃꯗ ꯍꯤꯉꯕ ꯊꯋꯥꯏ ꯄꯥꯟꯕ ꯑꯃ
ꯑꯇꯣꯞꯄ ꯃꯐꯝ ꯑꯃꯗ ꯂꯩꯔꯝꯗꯕ
ꯌꯥꯏ꯫ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯑꯣꯁꯇ꯭ꯔꯦꯂꯤꯌꯥꯗ
ꯂꯩꯕ ꯀꯥꯡꯒꯥꯔꯨ ꯃꯅꯤꯄꯨꯔꯗ ꯂꯩꯇꯦ꯫

ꯃꯅꯤꯄꯨꯔꯒꯤ ꯁꯉꯥꯏ ꯃꯥꯂꯦꯝꯒꯤ ꯑꯇꯩ
ꯃꯐꯝꯗ ꯂꯩꯇꯦ꯫ ꯀꯥꯁꯃꯤꯔꯒꯤ ꯑꯦꯄꯜ
(ꯁꯦꯝ/ꯁꯦꯚ) ꯑꯇꯣꯞꯄ ꯃꯐꯝꯗ
ꯃꯄꯨꯡ ꯐꯗꯕ ꯌꯥꯏ꯫ ꯑꯗꯨꯕꯨ ꯂꯝꯗꯝ
ꯈꯔꯗꯗꯤ ꯑꯇꯣꯞꯄ ꯂꯝꯗꯝ ꯈꯔꯗꯒꯤ
ꯀꯥ ꯍꯦꯟꯅ ꯏꯁꯤꯡ-ꯅꯨꯡꯁꯤꯠ, ꯆꯤꯡ-

ꯃꯥꯟ, ꯄꯥꯠ ꯇꯨꯔꯦꯜ ꯌꯥꯝꯅ ꯈꯩꯟꯅꯅ ꯂꯩꯔꯝꯕ ꯌꯥꯏ꯫ ꯑꯗꯨꯒꯨꯝꯕ ꯈꯦꯟꯅꯕꯅ ꯊꯜꯂꯕ ꯃꯐꯝꯁꯤꯡꯗꯨꯗꯤ
ꯊꯋꯥꯏ ꯄꯥꯟꯕ ꯀꯌꯥꯒꯤ ꯃꯁꯤꯡ ꯑꯁꯤ ꯀꯥ ꯍꯦꯟꯅ ꯌꯥꯝꯅ ꯂꯩꯐꯝ ꯊꯣꯛꯏ꯫ ꯑꯁꯨꯝꯅ ꯃꯅꯤꯄꯨꯔꯒꯤ
ꯁꯔꯨꯛ ꯌꯥꯎꯅ ꯈꯦꯟꯅꯔꯕ ꯀꯌꯥꯅ ꯄꯤꯛ ꯊꯜꯂꯕ ꯃꯐꯝꯁꯤꯡꯒꯤ ꯐꯤꯚꯝꯅ ꯑꯇꯩ ꯑꯇꯣꯞꯄ
ꯂꯝꯗꯝꯁꯤꯡꯗꯒꯤ ꯀꯦ ꯍꯦꯟꯅ ꯊꯋꯥꯏ ꯄꯥꯟꯕꯁꯤꯡꯒꯤ ꯃꯁꯤꯡ ꯍꯦꯟꯅ ꯐꯪꯂꯤꯕꯅꯤ꯫ ꯃꯁꯤꯕꯨꯅꯤ
ꯕꯥꯏꯑꯣ ꯗꯥꯏꯚꯔꯁꯤꯇꯤ ꯍꯥꯏꯅꯔꯤꯕꯁꯤ꯫ ꯃꯈꯜ ꯌꯥꯝꯅ ꯐꯪꯏ, ꯕꯥꯏꯑꯣ ꯗꯥꯏꯚꯔꯁꯤꯇꯤ ꯑꯣꯏ
ꯍꯥꯏꯕꯁꯤꯗꯤ ꯌꯥꯝꯅ ꯂꯥꯏꯕꯛ ꯐꯩ, ꯆꯥꯎꯊꯣꯛꯆꯅꯤꯡꯉꯥꯏꯤ ꯑꯣꯏ꯫ ꯑꯗꯨꯕꯨ ꯂꯥꯏꯕꯛ ꯊꯤꯕ ꯑꯃꯅ
ꯌꯥꯝꯂꯕ ꯊꯋꯥꯏ ꯄꯥꯟꯕꯁꯤꯡ ꯑꯁꯤꯗꯒꯤ ꯀꯌꯥ ꯑꯃ ꯃꯨꯠꯈ꯭ꯔꯦ꯫ ꯑꯁꯨꯝꯅ ꯌꯥꯝꯈ꯭ꯔꯕ ꯊꯋꯥꯏ
ꯄꯥꯟꯕꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯇꯥꯡꯖꯐꯝ ꯑꯣꯏꯔꯤꯕ ꯂꯩꯐꯝꯒꯤ ꯆꯥꯗ 70 ꯒꯤ ꯆꯥꯡ ꯌꯧꯅ ꯀꯤꯅꯤꯡꯉꯥꯏ
ꯑꯣꯏꯕ ꯃꯑꯣꯡꯗ ꯃꯥꯡꯁꯤꯜꯂꯛꯂꯕ/ꯀꯣꯛꯁꯤꯜꯂꯛꯂꯤꯕ ꯑꯁꯤꯅꯤ꯫ ꯃꯐꯝ ꯑꯗꯨꯕꯨ ꯕꯥꯏꯑꯣ
ꯗꯥꯏꯚꯔꯁ ꯑꯣꯏꯈ꯭ꯔꯕ ꯃꯐꯝꯁꯤꯡꯗꯨꯕꯨ ꯉꯥꯛ ꯁꯦꯟꯕ ꯉꯝꯅꯕ ꯍꯣꯠꯅꯍꯧꯗꯕ, ꯑꯩꯈꯣꯏꯒꯤ
ꯍꯤꯡꯕꯗ ꯆꯪꯗꯕ ꯌꯥꯗꯕ ꯄꯣꯠꯂꯝꯁꯤꯡ ꯐꯪꯅꯕ ꯍꯣꯠꯅꯕꯅ ꯍꯦꯟꯅ ꯇꯉꯥꯏ ꯐꯗꯕ ꯑꯣꯏꯈꯤꯕꯅ
ꯑꯝꯗꯤ ꯑꯇꯣꯞꯄ ꯃꯔꯝ ꯀꯌꯥ ꯑꯃꯗꯒꯤ ꯃꯁꯤ ꯉꯥꯛꯄ ꯉꯝꯍꯧꯔꯝꯗꯕꯁꯨ ꯑꯣꯏꯔꯝꯕ ꯌꯥꯏ꯫

ꯍꯥꯏꯔꯤꯕ ꯄꯨꯝꯅꯃꯛꯁꯤꯡ ꯑꯁꯤ ꯃꯤꯑꯣꯏꯕ ꯑꯩꯈꯣꯏꯅ ꯄꯥꯏꯈꯠꯄ ꯊꯕꯛ ꯊꯕꯛ ꯊꯧꯔꯝꯁꯤꯡꯅ
ꯊꯣꯛꯍꯟꯕꯅ ꯑꯌꯥꯝꯕꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯃꯥꯂꯦꯝꯗ ꯃꯐꯝ 25 ꯈꯛꯇꯤ ꯍꯧꯖꯤꯛ ꯕꯥꯏꯑꯣ ꯗꯥꯏꯚꯔꯁꯤꯇꯤ
ꯍꯣꯠ ꯁ꯭ꯄꯣꯠ ꯑꯣꯏꯔꯦ ꯍꯥꯏꯅ ꯂꯥꯎꯊꯣꯛꯈ꯭ꯔꯦ꯫ ꯃꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯃꯅꯤꯄꯨꯔ ꯌꯥꯎꯅ ꯏꯟꯗꯣ-

ꯕꯔꯃꯥꯒꯤ ꯑꯃꯗꯤ ꯍꯤꯃꯥꯂꯌꯒꯤ ꯁꯔꯨꯛꯁꯤꯡꯁꯨ ꯌꯥꯎꯈ꯭ꯔꯕꯅꯤ꯫

ꯊꯝꯖꯅꯤꯡꯂꯤꯕ ꯋꯥꯐꯝꯗꯤ ꯍꯤꯡꯃꯤꯟꯅꯔꯤꯕ ꯊꯋꯥꯏ ꯄꯥꯟꯕꯁꯤꯡ ꯈꯨꯗꯤꯡꯃꯛ ꯃꯥꯒꯤ ꯃꯥꯒꯤ
ꯊꯧꯗꯥꯡ ꯂꯩ, ꯑꯃꯒ ꯑꯃꯒ ꯃꯔꯤ ꯂꯩꯅꯩ ꯑꯃꯅ ꯑꯃꯗ ꯍꯛꯊꯦꯡꯅꯅ ꯅꯠꯇ꯭ꯔꯒ ꯅꯥꯀꯣꯏꯅꯅ
ꯇꯥꯡꯅꯩ, ꯃꯇꯦꯡ ꯄꯥꯡꯅꯩ ꯍꯥꯏꯕꯁꯤꯅꯤ꯫ ꯂꯣꯏꯅꯅ ꯍꯤꯡꯂꯤꯕꯁꯤꯡ ꯑꯁꯤꯒ ꯃꯥꯒꯤ ꯍꯤꯡꯕꯒꯤ
ꯃꯇꯦꯡ ꯑꯣꯏꯔꯤꯕ ꯑꯀꯣꯏꯕꯒꯤ ꯊꯋꯥꯏ ꯄꯥꯟꯗꯕꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯌꯥꯝꯅꯃꯛ ꯅꯛꯅꯕ ꯃꯔꯤ
ꯂꯩꯅꯩ ꯍꯥꯏꯕꯁꯤꯅꯤ꯫ ꯑꯗꯨꯅ ꯈꯜ ꯀꯥꯏꯗꯅ ꯄꯨꯝꯅꯃꯛ ꯇꯨꯡ ꯀꯣꯏꯅ ꯑꯃꯅ ꯑꯃꯗ ꯑꯀꯥꯏꯕ
ꯄꯤꯗꯅ ꯍꯤꯡꯃꯤꯟꯅꯕ ꯍꯥꯏꯕꯗꯨ ꯑꯣꯏꯍꯟꯅꯕꯒꯤ ꯄꯥꯅꯗꯝꯗ ꯍꯩ ꯁꯤꯡꯂꯕ ꯃꯤꯑꯣꯏꯕ ꯑꯩꯈꯣꯏꯒꯤ
ꯂꯧꯁꯤꯡ, ꯀꯠꯊꯣꯛꯄ, ꯄꯨꯛꯆꯦꯜ ꯁꯦꯡꯕ, ꯑꯆꯨꯝꯕ ꯈꯪꯕ, ꯇꯨꯡꯒꯤ ꯑꯣꯏꯔꯛꯀꯗꯕ ꯎꯕ, ꯑꯗꯨꯕꯨ
ꯊꯧꯑꯣꯏꯗꯕ ꯇꯧꯗꯅ ꯍꯛꯆꯤꯡꯅꯅ ꯂꯧꯗꯨꯅ ꯄꯣꯔꯝ ꯌꯥꯠꯊꯣꯛꯇꯨꯅ ꯄꯨꯛꯆꯦꯜ ꯁꯦꯡꯅ ꯏꯁꯥꯒꯤ
ꯑꯣꯏꯖꯕ ꯊꯥꯗꯣꯛꯇꯨꯅ ꯄꯥꯏꯈꯠꯄ ꯅꯠꯇꯅ ꯀꯥꯟꯅꯔꯕ ꯀꯌꯥ ꯑꯁꯤ ꯃꯈꯥ ꯇꯥꯅ ꯃꯥꯡꯗꯅꯕꯒꯤ
ꯄꯥꯝꯕꯩ ꯂꯩꯔꯣꯏ꯫ ꯃꯥꯡꯖꯕ ꯉꯥꯛꯇ ꯑꯣꯏꯍꯧꯒꯅꯤ꯫ ꯇꯨꯡꯒꯤ ꯃꯤꯔꯣꯜꯅ ꯑꯩꯈꯣꯏꯕꯨ ꯆꯩꯍꯧꯒꯅꯤ꯫

ꯃꯁꯤ ꯇꯔꯥꯏꯕ ꯊꯕꯛ ꯑꯃꯗꯤ ꯅꯠꯇꯦ꯫ ꯂꯩꯐꯝ/ꯇꯥꯡꯖꯐꯝ ꯂꯩꯔꯛꯇ꯭ꯔꯕ ꯁꯣꯏꯗꯅ ꯇꯥꯡꯖꯔꯝꯂꯤꯕ
ꯊꯋꯥꯏ ꯄꯥꯟꯕꯁꯤꯡ ꯍꯤꯡꯕ ꯉꯝꯗꯗꯨꯅ ꯃꯨꯠꯁꯤꯕ ꯇꯥꯕꯅꯤ꯫

ꯍꯧꯖꯤꯛ ꯑꯩꯈꯣꯏ ꯀꯔꯤ ꯇꯧꯕ ꯇꯥꯏ? ꯄꯨꯝꯅꯃꯛꯄꯨ ꯂꯩꯉꯥꯛꯅ ꯊꯧꯁꯤꯜ ꯀꯌꯥ ꯁꯤꯟꯗꯨꯅ ꯂꯝꯗꯝ
ꯂꯝꯗꯝꯒꯤ ꯑꯣꯏꯅ ꯂꯧꯁꯤꯡ ꯇꯥꯍꯟꯕ ꯇꯥꯏ꯫ ꯄꯨꯝꯅꯃꯛ ꯍꯥꯏꯕꯁꯤꯗ ꯀꯅꯥ ꯀꯅꯥ ꯌꯥꯎꯔꯤ?

ꯑꯈꯪ ꯑꯍꯩꯁꯤꯡ, ꯃꯔꯨ ꯑꯣꯏꯅ ꯂꯩꯉꯥꯛ ꯆꯨꯞꯂꯤ ꯍꯥꯏꯔꯤꯕꯁꯤꯡꯒꯤ ꯄꯨꯛꯆꯦꯜ ꯁꯦꯡꯕ ꯊꯧꯗꯥꯡ
ꯑꯃꯗꯤ ꯃꯤꯆꯝ ꯃꯤꯌꯥꯝꯁꯤꯡꯒꯤ
ꯄꯨꯛꯆꯦꯜ ꯁꯦꯡꯕ ꯊꯧꯗꯥꯡ, ꯕꯥꯏꯑꯣ
ꯗꯥꯏꯚꯔꯁꯤꯇꯤꯕꯨ ꯉꯥꯛ ꯁꯦꯟꯗꯨꯅ
ꯊꯝꯕꯒꯤ ꯀꯥꯟꯅꯕ ꯑꯁꯤ ꯂꯧꯁꯤꯡ
ꯇꯥꯃꯤꯟꯅꯕꯗ ꯂꯥꯏꯅ ꯈꯪꯖꯤꯟꯕ ꯌꯥꯕ
ꯑꯆꯝꯕ ꯈꯨꯗꯝ ꯈꯔ ꯄꯤꯖꯒꯦ-

ꯌꯦꯡꯁꯤ꯫

ꯍꯧꯖꯤꯛ ꯍꯧꯖꯤꯛ ꯃꯅꯤꯄꯨꯔꯒꯤ
ꯑꯣꯏꯅ ꯆꯥꯊꯣꯀ ꯂꯩꯕ ꯐꯧꯅꯤ ꯍꯥꯏꯅ
ꯊꯥꯅꯔꯤꯕꯁꯤꯡ ꯈꯨꯗꯝ ꯑꯣꯏꯅ
ꯇꯝꯐꯥ, ꯁꯅꯥ, ꯑꯀꯨꯠꯐꯧ, ꯏꯔꯩꯃꯥ,
ꯑꯥꯔ ꯁꯤ ꯑꯦꯝ-9, 10, 12, 13
ꯍꯧꯖꯤꯛ ꯐꯥꯎꯕꯒꯤ ꯑꯣꯏꯅ ꯃꯈꯜ 25
ꯄꯨꯊꯣꯛꯇꯨꯅ ꯊꯥꯅꯔꯤꯕꯁꯤꯡ ꯑꯁꯤ
ꯍꯥꯟꯅ ꯏꯄꯥ ꯏꯄꯨ ꯍꯥꯛꯇꯛꯇꯒꯤ
ꯂꯩꯖꯔꯝꯂꯕ ꯃꯣꯏꯔꯥꯡꯐꯧ, ꯐꯧꯔꯦꯟ,
ꯂꯥꯡꯐꯧ ꯑꯁꯤꯅꯆꯤꯡꯕ ꯍꯥꯏꯔꯤꯕ
ꯊꯥꯟꯒꯤ ꯐꯧꯁꯤꯡꯒ ꯃꯈꯣꯏꯒ ꯌꯥꯝꯅ
ꯈꯦꯟꯅꯕ ꯃꯄꯥꯟꯒꯤ ꯐꯧꯁꯤꯡꯒ ꯆꯥꯔꯧ
ꯃꯧꯔꯧꯅꯔꯒ ꯄꯣꯛꯂꯛꯄ ꯃꯆꯥꯁꯤꯡꯒꯤ ꯃꯔꯛꯇꯒꯤ ꯈꯟꯒꯠꯂꯕ ꯁꯨꯔꯣꯜ ꯉꯥꯛꯇꯅꯤ꯫ ꯃꯈꯣꯏ
ꯑꯁꯤ ꯄꯨꯊꯣꯛꯂꯝꯗ꯭ꯔꯕꯗꯤ ꯑꯩꯈꯣꯏ Zsi ꯆꯔꯥ ꯍꯦꯜꯂꯝꯕꯁꯨ ꯍꯥꯏ꯫ ꯃꯍꯧꯁꯥꯗꯒꯤ ꯂꯩꯔꯝꯂꯕ
ꯐꯧꯁꯤꯡ ꯑꯁꯤꯗ ꯀꯥꯟꯅꯔꯕ ꯑꯇꯣꯞꯄ ꯃꯒꯨꯟ ꯀꯌꯥ ꯑꯃꯁꯨ ꯌꯥꯎꯔꯝꯂꯣꯏ ꯍꯥꯏꯅꯤꯡꯉꯥꯏ ꯂꯩꯇꯦ꯫

ꯃꯈꯣꯏꯕꯨ ꯉꯥꯛꯄꯤ ꯁꯦꯟꯕꯤꯗꯨꯅ ꯃꯥꯡꯗꯅꯕ ꯍꯣꯠꯅꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯀꯥꯅꯅ ꯇꯧꯒꯅꯤ?

ꯑꯇꯣꯞꯄ ꯈꯨꯗꯝ ꯑꯃ ꯑꯃꯨꯛ ꯌꯦꯡꯁꯤ꯫ ꯃꯥꯂꯦꯝꯒꯤ ꯑꯣꯏꯅ ꯚꯤꯇꯥꯃꯤꯟ ꯑꯦ ꯋꯥꯠꯄꯗꯒꯤ
ꯃꯤꯠꯀꯤ ꯂꯥꯏꯅꯥ ꯅꯥꯗꯨꯅ ꯑꯃꯗꯤ ꯑꯇꯣꯞꯄ ꯂꯥꯏꯅꯥ ꯀꯌꯥꯅ ꯃꯤꯠ ꯇꯥꯡꯕ ꯑꯃꯗꯤ ꯁꯤꯕ ꯀꯌꯥ
ꯑꯃ ꯊꯣꯛꯂꯤ꯫ ꯃꯁꯤ ꯀꯣꯛꯅꯕ ꯕꯩꯒ꯭ꯌꯥꯅꯤꯛ ꯑꯃꯅ ꯍꯣꯠꯅꯗꯨꯅ ꯒꯣꯜꯗꯟ ꯔꯥꯏꯁ ꯍꯥꯏꯕ ꯁꯅꯥ
ꯃꯔꯨꯒꯤ ꯆꯦꯡ ꯄꯤꯕ ꯉꯝꯕ ꯐꯧ ꯄꯨꯊꯣꯛꯈꯤ꯫ ꯐꯧ ꯑꯁꯤ ꯄꯨꯊꯣꯛꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯏꯔꯋꯤꯅꯤꯌꯥ
ꯍꯥꯏꯔꯤꯕ ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯃ ꯑꯃꯁꯨꯡ ꯗꯦꯐꯣꯗꯤꯜ ꯍꯥꯏꯔꯤꯕ ꯂꯩ ꯑꯅꯤ ꯑꯁꯤꯗꯒꯤ ꯖꯤꯟ
ꯂꯧꯊꯣꯛꯂꯒ ꯐꯧꯗ ꯖꯤꯅꯦꯇꯤꯛ ꯏꯟꯖꯤꯅꯤꯌꯔꯤꯡ ꯇꯧꯗꯨꯅ ꯍꯥꯞꯆꯤꯜꯂꯒ ꯒꯣꯜꯗꯟ ꯔꯥꯏꯁ ꯍꯥꯏꯔꯤꯕ
ꯐꯧ ꯃꯈꯜ ꯑꯁꯤ ꯄꯨꯊꯣꯛꯈꯤꯕꯅꯤ꯫ ꯍꯥꯏꯔꯤꯕ ꯕꯦꯛꯇꯔꯤꯌꯥ ꯑꯃꯗꯤ ꯗꯦꯐꯣꯗꯤꯜ ꯂꯩꯔꯝꯗ꯭ꯔꯕꯗꯤ
ꯃꯁꯤ ꯑꯣꯏꯊꯣꯛꯂꯝꯗꯕꯁꯨ ꯌꯥꯏ꯫ ꯐꯧ ꯃꯈꯜ ꯑꯁꯅꯤ, ꯆꯥꯛꯅ ꯃꯔꯨ ꯑꯣꯏꯕ ꯆꯤꯟꯖꯥꯛ ꯑꯣꯏꯕ
ꯑꯦꯁꯤꯌꯥꯒꯤ ꯂꯝꯗꯝꯗ ꯍꯤꯡꯖꯔꯤꯕ ꯃꯤꯑꯣꯏ ꯀꯌꯥꯗ ꯚꯤꯇꯥꯃꯤꯟ ꯑꯦ ꯐꯪꯅꯅꯕ ꯄꯨꯊꯣꯛꯈꯤꯕꯅꯤ꯫

ꯍꯟꯗꯛ ꯃꯅꯤꯄꯨꯔꯗ ꯏꯀꯪꯒꯨꯝꯕ ꯑꯃ ꯐꯧ ꯊꯥꯒꯗꯕ ꯃꯇꯝꯗ ꯊꯣꯛꯈꯤꯕ ꯑꯗꯨꯅ ꯃꯔꯝ ꯆꯥꯅ ꯐꯧ
ꯊꯥꯕ ꯉꯝꯅꯈꯤꯗꯦ꯫ ꯃꯇꯝꯗꯨꯗ ꯐꯧ ꯊꯥꯅꯔꯤꯕ ꯏꯆꯤꯜ-ꯏꯅꯥꯎꯁꯤꯡꯅ ꯃꯇꯝ ꯊꯦꯡꯖꯤꯜꯂꯛꯂꯕꯅꯤꯅ
ꯀꯔꯤ ꯐꯧ ꯒꯥꯔꯒꯗꯤ ꯃꯥꯏ ꯄꯥꯛꯀꯗꯒꯦ ꯍꯥꯏꯅ ꯊꯋꯥꯏ ꯌꯥꯝꯅ ꯋꯥꯅꯈꯤ꯫ ꯃꯇꯝꯗꯨꯗ ꯊꯦꯡꯂꯕꯁꯨ
ꯊꯥꯕ ꯌꯥꯕ ꯐꯧ ꯃꯈꯜꯁꯤꯡ ꯈꯨꯠꯇ ꯂꯩꯔꯝꯂꯕꯗꯤ ꯀꯔꯤꯒꯤ ꯋꯥꯔꯝꯒꯅꯤ꯫ ꯊꯥꯕ ꯌꯥꯕ ꯐꯧ ꯃꯈꯜꯁꯤꯡ
ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯑꯥꯔ ꯁꯤ ꯃꯅꯤꯐꯧ-13, ꯃꯉꯥꯜ, ꯄꯥꯔꯤ ꯍꯥꯏꯔꯤꯕ ꯐꯧ ꯃꯈꯜꯁꯤꯡ ꯑꯁꯤ ꯈꯔ ꯈꯔ
ꯃꯃꯥꯡ ꯆꯍꯤꯗ ꯊꯥꯔꯝꯗꯨꯅ ꯐꯧꯗꯤ ꯈꯨꯠꯇ ꯂꯩꯔꯝꯂꯕꯗꯤ ꯋꯥꯅꯔꯝꯂꯣꯏ꯫ ꯑꯁꯨꯝꯅ ꯐꯧꯗ ꯅꯠꯇꯅ ꯑꯇꯩ
ꯀꯥꯟꯅꯔꯕ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯈꯔ ꯈꯔꯗ ꯑꯣꯏꯔꯝꯕꯁꯨ ꯌꯨꯝꯊꯣꯡ ꯑꯁꯨꯛ ꯌꯥꯝꯕꯁꯤꯅ ꯊꯥꯅꯔꯕꯗꯤ
ꯃꯥꯡꯈ꯭ꯔꯤꯕ ꯀꯌꯥ ꯑꯃꯁꯨ ꯀꯜꯂꯝꯕ/ꯀꯟꯕ ꯌꯥꯏ꯫

ꯃꯊꯛꯇ ꯊꯝꯖꯔꯤꯕ ꯈꯨꯗꯝ ꯈꯔ ꯑꯁꯤꯅ ꯇꯥꯛꯄꯗꯤ ꯂꯩꯔꯤꯕ ꯊꯋꯥꯏ ꯄꯥꯟꯕꯁꯤꯡ ꯈꯨꯗꯤꯡꯃꯛ
ꯑꯁꯤꯗ ꯀꯥꯟꯅꯔꯕ ꯃꯆꯥꯛ ꯀꯌꯥ ꯑꯃ ꯌꯥꯎꯔꯤ, ꯃꯈꯣꯏꯕꯨ ꯉꯥꯛꯄꯤ ꯁꯦꯟꯕꯤꯗꯨꯅ ꯃꯥꯡꯍꯟꯗꯅ
ꯊꯝꯕ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯃꯁꯤ ꯑꯩꯈꯣꯏ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ ꯊꯧꯗꯥꯡꯅꯤ ꯍꯥꯏꯕꯗꯨꯅꯤ꯫

ꯃꯁꯤ ꯅꯠꯇꯕ ꯈꯨꯗꯝ ꯀꯌꯥ ꯑꯃꯅꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯂꯦꯡꯂꯤ ꯄꯥꯜꯂꯤꯕ ꯈꯨꯗꯤꯡꯃꯛꯄꯨ
ꯉꯥꯛ ꯁꯦꯟꯕꯤꯗꯨꯅ ꯃꯍꯧꯁꯥꯒꯤ ꯃꯈꯜꯁꯨ ꯀꯥꯏꯗꯅꯕ, ꯃꯁꯤ ꯀꯥꯏꯕꯅ ꯑꯣꯏꯔꯛꯂꯤꯕ ꯑꯏꯪ-

ꯑꯁꯥꯒꯤ ꯃꯑꯣꯡꯗ ꯍꯣꯡꯂꯛꯂꯤꯕ ꯈꯨꯗꯤꯡꯃꯛꯁꯤꯗꯒꯤ ꯀꯥꯟꯅꯅꯕ ꯑꯩꯈꯣꯏ ꯈꯨꯗꯤꯡꯃꯛ ꯋꯥꯈꯜ
ꯇꯥꯃꯤꯟꯅꯗꯨꯅ ꯏꯁꯥ ꯏꯁꯥꯒꯤ ꯊꯧꯗꯥꯡ ꯂꯧꯃꯤꯟꯅꯕ ꯃꯊꯧ ꯇꯥꯏ ꯍꯥꯏꯖꯅꯤꯡꯏ꯫ ꯃꯁꯤꯒꯤꯗꯃꯛ
ꯂꯩꯔꯝꯂꯤꯕ ꯃꯍꯧꯁꯥꯒꯤ ꯑꯣꯏꯕ ꯇꯥꯡꯖꯐꯝꯁꯤꯡ ꯉꯥꯛ ꯁꯦꯟꯕꯤꯗꯨꯅ ꯅꯤꯡꯊꯤꯅ ꯌꯣꯛꯈꯠꯇꯨꯅ
ꯊꯝꯕꯤꯕ, ꯂꯣꯏꯅꯅ ꯃꯈꯣꯏꯒꯤ ꯑꯅꯧꯕ ꯃꯐꯝ ꯁꯦꯝꯕꯤꯗꯨꯅ ꯃꯈꯜ ꯀꯌꯥꯒꯤ ꯑꯇꯥꯡ ꯁꯥ-ꯉꯥ, ꯄꯥꯝꯕꯤ
ꯀꯌꯥꯕꯨ ꯅꯤꯡꯊꯤꯅ ꯉꯥꯛ ꯁꯦꯟꯕꯤꯗꯨꯅ ꯌꯣꯛꯈꯠꯄꯤꯕ ꯇꯉꯥꯏꯐꯗꯦ꯫

ꯌꯥꯎꯁꯪ ꯀꯨꯝꯍꯩꯅ ꯑꯃꯨꯛ ꯊꯨꯡꯂꯔꯕꯗ
ꯌꯥꯔꯤꯕꯃꯈꯩ ꯃꯤ ꯄꯨꯟꯕ ꯊꯧꯔꯝ ꯄꯥꯡꯊꯣꯛꯇꯅꯕ ꯍꯣꯠꯅꯐꯝ ꯊꯣꯛꯏ
ꯂꯦꯞꯇꯅ ꯆꯠꯄ ꯃꯇꯝꯒꯤ ꯈꯣꯡꯆꯠ ꯃꯇꯨꯡ ꯏꯟꯅ ꯂꯝꯇꯥꯒꯤ 15ꯅꯤ
ꯄꯥꯟꯕꯗ ꯆꯍꯤ ꯈꯨꯗꯤꯡꯒꯤ ꯍꯦꯛ-ꯍꯦꯛ ꯄꯥꯡꯊꯣꯛꯄ ꯌꯥꯎꯁꯪ ꯀꯨꯝꯍꯩ
ꯊꯨꯡꯂꯔꯦ꯫ ꯃꯤꯑꯣꯏ ꯑꯌꯥꯝꯕ ꯄꯨꯟꯁꯤꯒꯤ ꯇꯉꯥꯏꯐꯗꯕ ꯊꯧꯗꯥꯡ ꯐꯥꯎꯕ
ꯀꯥꯎꯊꯣꯛꯅꯇꯨꯅ ꯅꯨꯃꯤꯠ 4/5 ꯅꯤꯗꯤ ꯀꯨꯝꯍꯩ ꯑꯁꯤꯗ ꯂꯨꯞꯈ꯭ꯔꯒꯅꯤ꯫ ꯆꯍꯤ
ꯂꯣꯏꯕ ꯑꯃꯁꯨꯡ ꯑꯅꯧꯕ ꯆꯍꯤ ꯍꯧꯕꯒꯤ ꯊꯧꯔꯝꯗ ꯍꯔꯥꯎ-ꯃꯊꯣꯏ ꯀꯥꯟꯅꯈꯤꯕ
ꯏꯀꯨꯏ-ꯀꯨꯏꯗ꯭ꯔꯤꯉꯩꯒꯤ ꯃꯇꯨꯡꯗ ꯈꯪꯍꯧꯗꯅ ꯌꯥꯎꯁꯪ ꯑꯃꯨꯛ ꯊꯨꯡꯂꯔꯦ꯫

ꯀꯥꯉꯂꯨꯞ ꯀꯌꯥꯅ ꯈꯨꯟꯗꯥꯃꯤꯟꯅꯕ ꯂꯝꯗꯝ ꯑꯣꯏꯕꯅ ꯃꯥꯒꯤ-ꯃꯥꯒꯤ ꯂꯥꯏꯅꯤꯡ
ꯑꯃꯁꯨꯡ ꯆꯠꯅꯕꯤ ꯃꯇꯨꯡꯏꯟꯅ ꯍꯔꯥꯏ-ꯀꯨꯝꯍꯩꯒꯤ ꯊꯧꯔꯝ ꯄꯥꯡꯊꯣꯛꯅꯕ
ꯃꯊꯧ ꯇꯥꯏ ꯍꯥꯏꯖꯔꯒꯁꯨ ꯃꯅꯤꯄꯨꯔꯗ ꯄꯥꯡꯊꯣꯛꯂꯤꯕ ꯍꯔꯥꯎ-ꯀꯨꯝꯍꯩꯒꯤ
ꯃꯁꯤꯡ ꯑꯁꯨꯛꯀꯤ ꯃꯇꯤꯛ ꯌꯥꯝꯈ꯭ꯔꯦ꯫ ꯗꯤꯁꯦꯝꯕꯔ 31ꯗ ꯑꯔꯤꯕ
ꯆꯍꯤ ꯂꯣꯏꯕ ꯅꯨꯃꯤꯠꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯑꯍꯤꯡ ꯆꯨꯞꯄ ꯂꯥꯡꯅꯩ꯫ ꯅꯣꯡꯉꯥꯜꯂꯒ
ꯖꯅ꯭ꯌꯨꯋꯥꯔꯤ 1ꯗꯅ ꯑꯅꯧꯕ ꯆꯍꯤ ꯍꯧꯕ ꯅꯨꯃꯤꯠꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯃꯤꯄꯨꯝ ꯇꯤꯡꯅ
ꯍꯔꯥꯎꯅꯩ ꯑꯃꯁꯨꯡ ꯆꯥꯛ ꯆꯥꯟꯅꯩ꯫ ꯀꯅꯥꯒꯨꯝꯕ ꯄꯤꯀꯅꯤꯛ ꯅꯠꯇ꯭ꯔꯒ ꯀꯣꯏꯕ
ꯆꯠꯅꯩ꯫ ꯌꯥꯎꯁꯪ ꯀꯨꯝꯍꯩ ꯑꯁꯤꯁꯨ ꯅꯨꯃꯤꯠ ꯃꯉꯥꯅꯤꯗꯒꯤ ꯍꯦꯟꯗꯣꯛꯇꯨꯅ
ꯅꯨꯃꯤꯠ ꯐꯅ ꯌꯥꯝꯅ ꯆꯣꯟꯊꯔꯕ ꯐꯥꯎꯕ ꯂꯩꯁꯥꯕꯤꯁꯤꯡꯒꯤ, ꯃꯧꯁꯤꯡꯒꯤ ꯑꯃꯁꯨꯡ
ꯄꯥꯈꯪꯁꯤꯡꯒꯤ ꯍꯥꯏꯗꯨꯅ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯅ ꯆꯥꯛꯆꯥ-ꯍꯩꯖꯥꯅꯕ, ꯏꯁꯩ ꯅꯣꯡꯃꯥꯏ
ꯑꯃꯗꯤ ꯂꯤꯂꯥꯅꯆꯤꯡꯕ ꯊꯧꯔꯝꯁꯤꯡ ꯄꯥꯡꯊꯣꯛꯅꯩ꯫ ꯍꯤꯟꯗꯨ ꯂꯥꯏꯅꯤꯡ
ꯆꯠꯄꯁꯤꯡꯒꯤ ꯀꯨꯝꯍꯩꯅꯤ ꯍꯥꯏꯖꯔꯒꯁꯨ ꯌꯥꯎꯁꯪꯗ ꯂꯥꯏꯅꯤꯡ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ
ꯃꯤꯑꯣꯏꯁꯤꯡ ꯌꯥꯎꯁꯤꯟꯕꯒꯤ ꯃꯑꯣꯡ ꯑꯃ ꯎꯕ ꯐꯪꯂꯤ꯫ ꯀꯨꯝꯍꯩ ꯑꯁꯤꯒꯤ
ꯃꯅꯨꯡ ꯆꯟꯅ ꯌꯥꯎꯁꯪ ꯃꯩ ꯊꯥꯔꯕ ꯃꯇꯨꯡꯗ ꯄꯤꯛꯂꯤꯕ ꯑꯉꯥꯡꯁꯤꯡꯅ ꯌꯨꯝꯊꯣꯡ
ꯈꯨꯗꯤꯡ ꯆꯥꯛꯀꯊꯦꯡ ꯆꯠꯄꯗ ꯊꯣꯏꯗꯣꯛꯅ ꯑꯀꯥꯏꯕ ꯂꯩꯇꯦ ꯍꯥꯏꯅ ꯂꯧꯔꯒꯁꯨ
ꯃꯧꯅꯍꯥꯗꯒꯤ ꯍꯧꯔꯒ ꯑꯍꯜ ꯑꯣꯏꯔꯕ ꯃꯤꯑꯣꯏꯁꯤꯡ ꯐꯥꯎꯕꯅ ꯅꯨꯃꯤꯠ
ꯃꯉꯥꯅꯤ ꯆꯨꯞꯅ ꯈꯪꯅꯕ-ꯈꯪꯅꯗꯕ ꯊꯤꯗꯅ ꯌꯨꯝꯊꯣꯡ ꯈꯨꯗꯤꯡ ꯁꯦꯜ ꯈꯥꯏꯕ
ꯆꯠꯄꯒꯤ ꯊꯧꯑꯣꯡ ꯑꯃ ꯆꯠꯊꯔꯛꯂꯦ꯫ ꯍꯤꯟꯗꯨ ꯂꯥꯏꯅꯤꯡ ꯆꯠꯄꯁꯤꯡꯅ
ꯀꯨꯝꯍꯩ ꯑꯁꯤ ꯄꯥꯡꯊꯣꯛꯄꯒꯤ ꯃꯇꯥꯡꯗ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯅꯨꯡꯒꯤ ꯑꯣꯏꯕ
ꯋꯥꯍꯟꯊꯣꯛ ꯀꯌꯥ ꯂꯩꯖꯔꯒꯁꯨ ꯃꯅꯤꯄꯨꯔꯗꯗꯤ ꯃꯔꯝ ꯏꯔꯩ-ꯂꯩꯇꯅ ꯍꯔꯥꯎ-

ꯀꯨꯝꯍꯩ ꯑꯃꯅꯤ ꯍꯥꯏꯕꯒꯤ ꯃꯑꯣꯡꯗ ꯃꯥꯅ-ꯃꯥꯅ ꯄꯥꯝꯕ ꯃꯑꯣꯡꯗ ꯀꯥ-ꯍꯦꯟꯅ
ꯂꯥꯡꯍꯣꯛꯄꯔꯣꯝꯗ ꯑꯣꯏꯅ ꯆꯠꯊꯔꯛꯄꯒꯨꯝ ꯇꯧꯔꯤ꯫

ꯏꯟꯗꯤꯌꯥꯒꯤ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯃꯐꯝ, ꯑꯃꯁꯨꯡ ꯃꯄꯥꯅ ꯂꯩꯕꯥꯛꯇ ꯆꯣꯏꯅ
ꯈꯨꯟꯗꯥꯈ꯭ꯔꯕ ꯏꯟꯗꯤꯌꯥꯒꯤ ꯍꯤꯟꯗꯨ ꯂꯥꯏꯅꯤꯡ ꯆꯠꯄ miAoisiZn "ꯍꯣꯂꯤ"

ꯍꯥꯏꯅ ꯀꯨꯝꯍꯩ ꯑꯁꯤ ꯄꯥꯡꯊꯣꯛꯂꯒꯁꯨ ꯃꯅꯤꯄꯨꯔꯗꯗꯤ ꯌꯥꯎꯁꯪ ꯍꯥꯏꯅ ꯈꯪꯅꯩ꯫

ꯍꯤꯟꯗꯨ ꯂꯥꯏꯅꯤꯡꯒ ꯈꯔ ꯍꯦꯟꯅ ꯅꯛꯁꯤꯟꯅꯅ ꯑꯃꯁꯨꯡ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯥꯎꯕ
ꯃꯑꯣꯡꯗ ꯄꯥꯡꯊꯣꯛꯂꯤꯕꯅ ꯎꯠꯇꯔ ꯄ꯭ꯔꯗꯦꯁꯀꯤ ꯃꯊꯨꯔꯥ ꯃꯅꯥꯛꯇ ꯂꯩꯕ
ꯕꯔꯁꯅꯥ ꯇꯥꯎꯟꯗꯅꯤ꯫ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯃꯐꯝꯗ ꯂꯥꯏꯅꯤꯡꯒ ꯃꯔꯤ ꯂꯩꯅꯅ
ꯄꯥꯡꯊꯣꯛꯂꯤꯕ ꯀꯨꯝꯍꯩ ꯑꯁꯤ ꯃꯅꯤꯄꯨꯔꯗꯗꯤ ꯄꯨꯝꯇꯣꯞ-ꯇꯣꯞꯄ ꯃꯑꯣꯡ
ꯑꯃꯗ ꯀꯥ-ꯍꯦꯟꯖꯤꯟꯅ ꯏꯊꯛ-ꯏꯔꯥꯡ ꯂꯣꯝꯗ ꯑꯣꯏꯅ ꯆꯠꯊꯔꯛꯄꯒꯨꯝ
ꯇꯧꯔꯤ꯫ ꯌꯥꯎꯁꯪ ꯀꯨꯝꯍꯩꯒ ꯃꯔꯤ ꯂꯩꯅꯅ ꯆꯣꯡꯂꯤꯕ ꯊꯥꯕꯜꯁꯨ ꯂꯝꯗꯝꯁꯤꯒꯤ
ꯅꯥꯠꯀ ꯃꯔꯤ ꯂꯩꯅꯔꯝꯕꯕꯨꯗꯤ ꯌꯥꯏ ꯍꯥꯏꯕꯕꯨ ꯀꯥꯟꯅꯗꯕꯗ ꯀꯥ-ꯍꯦꯟꯅ ꯏꯊꯛ-

ꯏꯔꯥꯡ ꯇꯧꯕꯅꯤ ꯍꯥꯏꯅ ꯂꯧꯕꯗ ꯊꯣꯏꯗꯣꯛꯅ ꯂꯥꯟꯒꯗꯕ ꯃꯥꯟꯗ꯭ꯔꯦ꯫ ꯊꯥꯕꯜ
ꯆꯣꯡꯕ ꯍꯥꯏꯕꯁꯤ ꯃꯤꯇꯩ/ꯃꯩꯇꯩ ꯈꯨꯟꯅꯥꯏꯒꯤ ꯂꯥꯏ ꯍꯥꯛꯇꯛꯇꯒꯤ ꯂꯝꯗꯝꯁꯤꯗ
ꯊꯥꯕꯜ ꯆꯣꯡꯕꯒꯤ ꯆꯠꯅꯕꯤ ꯂꯩꯔꯛꯂꯦ ꯍꯥꯏꯔꯒꯁꯨ ꯌꯥꯎꯁꯪ ꯍꯥꯏꯕꯁꯤꯗꯤ
ꯂꯝꯗꯝꯁꯤꯒꯤ ꯑꯣꯏꯖꯕ ꯀꯨꯝꯍꯩ ꯅꯠꯇꯦ꯫ ꯃꯅꯤꯄꯨꯔꯗ ꯍꯤꯟꯗꯨ ꯂꯥꯏꯅꯤꯡ
ꯆꯪꯂꯛꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗ ꯌꯥꯎꯁꯪ ꯀꯨꯝꯍꯩ ꯄꯥꯡꯊꯣꯛꯄ ꯍꯧꯔꯛꯈꯤꯕꯅꯤ꯫

ꯃꯔꯝ ꯑꯗꯨꯅ ꯌꯥꯎꯁꯪ ꯃꯇꯝꯗ ꯂꯩꯀꯥꯏ ꯈꯨꯗꯤꯡꯒꯤ ꯊꯥꯕꯜ ꯆꯣꯡꯅꯔꯤꯕꯁꯤ
ꯃꯄꯥꯟꯗꯒꯤ ꯆꯪꯂꯛꯄ ꯂꯥꯏꯅꯤꯡꯒꯤ ꯆꯠꯅꯕꯤꯅ ꯂꯝꯗꯝꯁꯤꯒꯤ ꯐꯖꯔꯕ
ꯅꯥꯠꯀꯤ ꯁꯛꯇꯝ ꯄꯨꯝꯅꯃꯛ ꯇꯞꯅ-ꯇꯞꯅ ꯌꯣꯠꯁꯤꯟꯈꯤꯕꯅꯤ ꯍꯥꯏꯅ ꯂꯧꯕ
ꯌꯥꯏ꯫ ꯑꯀꯛꯅꯕ ꯀꯥꯡꯂꯨꯞ ꯑꯃꯒꯤ ꯂꯥꯏꯅꯤꯡꯗ ꯑꯃꯁꯨꯡ ꯂꯥꯏꯅꯤꯡꯒ ꯃꯔꯤ
ꯂꯩꯅꯕ ꯀꯨꯃꯍꯦ ꯄꯥꯡꯊꯣꯛꯄꯗ ꯊꯣꯏꯗꯣꯛꯅ ꯌꯥꯅꯤꯡꯗꯕꯒꯤ ꯋꯥꯐꯝ ꯂꯩꯇꯦ꯫

ꯑꯗꯨꯝ ꯑꯣꯏꯅꯃꯛ ꯂꯥꯏꯅꯤꯡꯒꯤ ꯃꯤꯡꯗ ꯇꯥꯡꯂꯕ ꯅꯨꯃꯤꯠ ꯃꯉꯥꯅꯤꯒꯤ ꯃꯇꯝ
ꯑꯔꯦꯝꯕꯗ ꯃꯥꯡꯍꯜꯂꯤꯕꯁꯤ ꯑꯆꯨꯝꯕ ꯊꯧꯑꯣꯡꯂꯥ ꯍꯥꯏꯕꯗꯨ ꯈꯟꯊꯃꯤꯟꯅꯕ
ꯃꯇꯝ ꯑꯣꯏꯔꯦ꯫ ꯇꯉꯥꯏꯐꯗꯅ ꯂꯥꯏꯅꯤꯡꯒꯤ ꯆꯠꯅ-ꯀꯥꯡꯂꯣꯟ ꯃꯇꯨꯡ ꯏꯟꯅ
ꯄꯥꯡꯊꯣꯛꯇꯕ ꯌꯥꯗꯦ ꯍꯥꯏꯔꯒꯁꯨ ꯌꯥꯔꯤꯕꯃꯈꯩ ꯈꯨꯟꯅꯥꯏꯗ ꯑꯃꯁꯨꯡ ꯑꯇꯣꯞꯄ
ꯂꯥꯏꯅꯤꯡ ꯆꯠꯄ ꯃꯤꯑꯣꯏꯗ ꯑꯀꯥꯏꯕ ꯄꯤꯗꯅꯕ ꯍꯣꯠꯅꯐꯝ ꯊꯣꯛꯏ꯫

ꯍꯧꯖꯤꯛ ꯑꯦꯒꯖꯥꯝ ꯊꯥꯔꯤꯕ ꯑꯃꯁꯨꯡ ꯊꯥꯒꯗꯕ ꯃꯍꯩꯔꯣꯏ ꯀꯌꯥꯃꯔꯨꯝ ꯂꯩꯔꯤ꯫

ꯃꯁꯤꯒꯤꯁꯨ ꯃꯊꯛꯇ ꯂꯩꯀꯥꯏ ꯈꯨꯗꯤꯡꯒꯤ ꯌꯥꯎꯁꯪ ꯃꯩ ꯊꯥꯕꯗ ꯎ-ꯋꯥ, ꯆꯔꯨ ꯀꯌꯥ
ꯑꯔꯦꯝꯕꯗ ꯃꯥꯡꯍꯜꯂꯤꯕ ꯑꯃꯗꯤ ꯃꯁꯤꯅ ꯑꯀꯣꯏꯕꯒꯤ ꯏꯁꯤꯡ ꯅꯨꯡꯁꯤꯠꯇ
ꯁꯣꯛꯍꯜꯂꯛꯂꯤꯕ ꯄꯨꯝꯅꯃꯛ ꯈꯟꯊꯃꯤꯟꯅꯕ ꯆꯨꯝꯃꯤ꯫ ꯂꯩꯀꯥꯏ ꯈꯨꯗꯤꯡꯒꯤ
ꯆꯣꯡꯅꯔꯛꯀꯗꯕ ꯊꯥꯕꯜꯒꯤ ꯃꯈꯣꯜꯅ ꯑꯦꯒꯖꯥꯝ ꯊꯥꯒꯗꯕ ꯃꯍꯩꯔꯣꯏꯁꯤꯡ
ꯑꯃꯁꯨꯡ ꯏꯪꯅ-ꯆꯤꯛꯅ ꯄꯣꯠꯊꯥꯖꯅꯤꯡꯕ ꯑꯍꯜ-ꯂꯝꯟꯁꯤꯡꯗ ꯄꯤꯒꯗꯕ
ꯆꯩꯊꯦꯡ ꯑꯗꯨꯒꯤ ꯃꯇꯥꯡꯗꯁꯨ ꯈꯟꯊꯕ ꯃꯇꯝ ꯑꯣꯏꯔꯦ꯫ ꯑꯃꯔꯣꯝꯗ
ꯃꯥꯂꯦꯝꯒꯤ ꯇꯣꯉꯥꯟ ꯇꯣꯉꯥꯟꯕ ꯃꯐꯝꯗ ꯍꯧꯖꯤꯛ ꯀꯣꯔꯣꯅꯥꯚꯥꯏꯔꯁꯀꯤ
ꯂꯥꯏꯆꯇ ꯁꯟꯗꯣꯔꯛꯂꯤꯕꯁꯤꯒꯤ ꯌꯦꯡꯂꯒ ꯌꯥꯎꯁꯪ ꯀꯨꯝꯍꯩ ꯑꯃꯁꯨꯡ ꯊꯥꯕꯜ
ꯆꯣꯡꯕꯒꯨꯝꯕ ꯃꯤ ꯄꯨꯟꯕ ꯊꯧꯔꯝ ꯄꯥꯡꯊꯣꯛꯇꯅꯕ ꯍꯣꯠꯅꯐꯝ ꯊꯣꯛꯏ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀꯨꯏꯖ - 115
1| ꯏꯕꯨꯙꯧ ꯄꯥꯈꯪꯕꯅ ꯀꯪꯂꯥꯗ ꯄꯥꯟꯕ ꯀꯨꯝ ꯃꯃꯥꯡꯗꯒꯤ ꯃꯣꯏꯔꯥꯡ ꯂꯩꯕꯥꯛꯇꯗꯤ ꯅꯤꯡꯊꯧ ꯄꯥꯟꯗꯨꯅ ꯂꯩꯔꯝꯕꯅꯤ꯫ ꯄꯥꯈꯪꯕꯅ ꯈ꯭ꯔꯤ: ꯇꯨꯡ 33ꯗ ꯐꯝꯕꯥꯜ ꯀꯥꯕꯗ ꯆꯩꯊꯥꯔꯣꯜ
ꯀꯨꯝꯕꯥꯕꯗ ꯂꯥꯆꯟꯕꯗꯨ ꯃꯣꯏꯔꯥꯡꯒꯤꯗꯤ ꯈ꯭ꯔꯤ: ꯃꯥꯡ 52ꯗꯒꯤ ꯂꯥꯆꯟꯈꯤꯕꯒꯤ ꯋꯥ ꯐꯪꯏ꯫ ꯀ) ꯄꯥꯈꯪꯕꯒꯤ ꯐꯝꯕꯥꯜ ꯀꯥꯕ ꯃꯇꯝꯗ ꯄꯥꯜꯂꯝꯕ ꯃꯣꯏꯔꯥꯡ ꯅꯤꯡꯊꯧ ꯑꯗꯨꯒꯤ ꯃꯃꯤꯡ ꯀꯔꯤ ꯀꯧꯕꯒꯦ?

ꯁ) ꯃꯣꯏꯔꯥꯡ ꯅꯤꯡꯊꯧ ꯑꯗꯨꯒꯤ ꯍꯥꯛꯇꯛꯇ ꯁꯥꯌꯣꯟ 7ꯀꯤ ꯑꯍꯥꯟꯕ ꯍꯦꯟꯖꯨꯅꯍꯥ ꯂꯥꯏꯔꯧꯔꯦꯝꯕꯤ ꯄꯣꯛꯁꯤ꯫ ꯍꯦꯟꯖꯨꯅꯍꯥꯒꯤ ꯃꯃꯥꯡꯒꯤ ꯃꯃꯤꯡ ꯀꯔꯤ ꯀꯧꯕꯒꯦ? 2| "ꯅꯨꯡꯊꯤꯜ ꯄꯥꯈꯪ ꯈꯣꯡꯆꯠ ꯂꯣꯏꯔꯛꯂꯦ꯫ ꯋꯥꯡꯃ ꯂꯥꯛꯂꯛꯂꯦ꯫ ꯃꯝꯅ ꯃꯨꯈ꯭ꯔꯤꯕ
ꯋꯥꯡꯃ ꯇꯣꯔꯕꯥꯟꯅꯤ꯫" ꯄꯔꯦꯡ ꯑꯍꯨꯝ ꯑꯁꯤ ꯖꯅꯅꯦꯇꯦ ꯏꯔꯥꯕꯠꯀꯤ ꯁꯩꯔꯦꯡ ꯑꯃꯗꯒꯤ ꯂꯧꯊꯣꯛꯄꯅꯤ꯫ ꯁꯩꯔꯦꯡꯗꯨꯒꯤ ꯃꯃꯤꯡ ꯍꯥꯏꯌꯨ꯫ 3| "ꯄꯩꯁꯥꯅ ꯉꯝꯗꯕ ꯀꯔꯤ ꯂꯩ/ꯁꯦꯜꯗ ꯄꯤꯌꯨ... ꯁꯇ꯭ꯌ ꯑꯩ ꯇꯧꯒꯦ꯫" ꯋꯥꯐꯝ ꯑꯁꯤꯃꯅ

"ꯁ꯭ꯔꯤ ꯇꯣꯝꯕ ꯑꯃꯁꯨꯡ ꯀꯩ" ꯍꯥꯏꯕ ꯗ꯭ꯔꯃꯥ ꯑꯗꯨꯗ ꯁ꯭ꯔꯤ ꯇꯣꯝꯕꯅ ꯍꯥꯏꯔꯤꯕꯅꯤ꯫

ꯗ꯭ꯔꯃꯥꯗꯨ ꯀꯅꯥꯅ ꯏꯕꯅꯣ?

4| "ꯀꯠꯊꯣꯛꯄ, ꯑꯈꯥꯡ ꯀꯟꯕ, ꯑꯃꯗꯤ ꯃꯤꯅꯨꯡꯁꯤ ꯂꯩꯕꯒꯤ ꯃꯇꯤꯛ ꯀꯜꯂꯛ ꯃꯤꯍꯧꯕ, ꯑꯁꯥꯎꯕ, ꯋꯥꯔꯧꯕꯁꯨ ꯅꯨꯄꯤꯗ ꯂꯩ꯫" ꯋꯥꯐꯝ ꯑꯁꯤꯅ ꯅꯤꯡꯉꯣꯝꯕꯝ ꯁꯨꯅꯤꯇꯥꯅ
ꯃꯥꯒꯤ ꯋꯥꯔꯤꯃꯆꯥ ꯑꯃꯗ ꯍꯥꯏꯔꯤꯕꯅꯤ꯫ ꯋꯥꯔꯤꯃꯆꯥꯒꯤ ꯃꯃꯤꯡꯗꯨ ꯍꯥꯏꯌꯨ꯫

5| "ꯍꯥꯏꯌꯨ ꯂꯩꯔꯥꯡ ꯁꯛꯍꯦꯟꯕꯤ ꯑꯣ! ꯀꯔꯤ ꯄꯨꯛꯆꯦꯟꯅꯣ/ꯃꯤꯠꯆꯤ ꯇꯦꯟꯅ ꯊꯥꯕꯤꯗꯨꯅ
ꯈꯣꯏꯃꯨ ꯊꯝꯃꯣꯏ ꯆꯥꯛꯍꯟꯕꯗꯤ꯫' ꯄꯔꯦꯡ ꯑꯅꯤ ꯑꯁꯤꯅ ꯃꯃꯤꯡ ꯂꯩꯔꯕ ꯑꯔꯤꯕ ꯏꯁꯩ ꯑꯃꯒꯤ ꯑꯍꯧꯕꯅꯤ꯫ ꯑꯏꯕꯗꯨ ꯀꯅꯥꯅꯣ?

ꯃꯊꯛꯇ ꯄꯤꯔꯤꯕ ꯋꯥꯍꯪꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯃꯥꯔꯆ 15, ꯅꯣꯡꯃꯥꯏꯖꯤꯡ ꯅꯨꯃꯤꯠꯀꯤ
ꯑꯌꯨꯛ ꯄꯨꯡ 11 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁꯇ ꯅꯠꯇ꯭ꯔꯒ ꯏ-ꯃꯦꯜ

hueiyenliteraryquiz@gmail.com sid meL AoIn HabirKp yagni>

ꯄꯥꯎꯈꯨꯝ ꯄꯤꯕꯤꯔꯛꯄ/ꯊꯥꯕꯤꯔꯛꯄ ꯃꯇꯝꯗ ꯃꯤꯡ, ꯂꯩꯐꯝ ꯃꯍꯩꯒꯤ ꯊꯥꯛ ꯑꯃꯁꯨꯡ ꯀꯟꯇꯦꯛꯠ ꯅꯝꯕꯔ ꯃꯌꯦꯛ ꯁꯦꯡꯅ ꯏꯕꯤꯔꯛꯎ꯫ ꯋꯥꯍꯪ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ ꯄꯥꯎꯈꯨꯝ ꯆꯨꯝꯅ ꯅꯠꯇ꯭ꯔꯒ ꯃꯁꯤꯡ
ꯌꯥꯝꯅ ꯆꯨꯝꯅ ꯄꯤꯕꯤꯔꯛꯄ ꯃꯤꯑꯣꯏꯁꯤꯡ ꯑꯗꯨꯗꯒꯤ ꯗ꯭ꯔꯣ ꯑꯣꯠꯆꯔꯒ ꯂꯥꯏꯕꯛ ꯐꯕ ꯃꯤꯁꯛ
ꯑꯃ ꯈꯟꯖꯒꯅꯤ꯫ ꯂꯣꯏꯅꯅ ꯈꯜꯂꯕ ꯃꯤꯁꯛ ꯑꯗꯨꯗ ꯃꯅꯥ ꯄꯤꯖꯒꯅꯤ꯫

ꯑꯦꯁ ꯁꯨꯃꯪꯒꯜ