IMPHAL, JANUARY 25, 2016, Monday ꯋꯥꯛꯆꯤꯡꯒꯤ 16ꯅꯤ ꯄꯥꯟꯕ, ꯅꯤꯡꯊꯧꯀꯥꯕ, ꯃꯥꯂꯤꯌꯥ ꯀꯨꯝꯁꯤꯡ 3413 ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
2 myB KgiBxg mkakT HUEIYEN LANPAO

ꯇꯤꯗꯤꯝ ꯂꯝꯕꯤꯗ ꯈꯨꯗꯣꯡꯊꯤꯕ
ꯍꯣꯗꯥꯝ ꯂꯩꯔꯛ ꯃꯄꯥꯗ ꯇ꯭ꯔꯥꯐꯤꯛ ꯑꯥꯏꯂꯦꯟꯗ ꯊꯝꯁꯤ
ꯉꯁꯤꯗꯒꯤ ꯆꯍꯤ 5 ꯔꯣꯝꯒꯤ ꯃꯃꯥꯡꯗ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯋꯥꯡꯃꯗ ꯂꯩꯈꯤꯕ ꯃꯤꯑꯣꯏ ꯑꯃ ꯃꯌꯨꯝꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯏꯝꯐꯥꯜ ꯁꯍꯔꯒꯤ ꯀꯩꯁꯥꯝꯄꯥꯠ ꯑꯁꯤꯋꯥꯏꯗ
ꯂꯥꯛꯄꯗ ꯄꯥꯛ ꯍꯦꯛ ꯃꯌꯨꯝ ꯈꯪꯒꯅꯤ ꯍꯥꯏꯕꯒꯤ ꯊꯥꯖꯕ ꯂꯩꯇꯦ꯫ ꯂꯩꯉꯥꯛ ꯑꯁꯤꯅ ꯇꯧꯕ
ꯊꯕꯛꯇ ꯃꯆꯨ ꯃꯃꯦꯟ ꯇꯥꯗꯕ, ꯃꯊꯣꯡ ꯆꯥꯗꯕ ꯀꯌꯥꯃꯔꯨꯝ ꯌꯥꯎꯔꯕꯁꯨ ꯏꯝꯐꯥꯜꯒꯤ
ꯀꯩꯁꯥꯝꯄꯥꯠꯇꯒꯤꯅ ꯑꯦꯌꯔꯄꯣꯔꯠ ꯐꯥꯎꯕꯒꯤ ꯍꯧꯖꯤꯛ ꯑꯣꯔꯤꯕ ꯂꯝꯕꯤꯒꯤ ꯐꯤꯚꯝ
ꯑꯁꯤ ꯌꯧꯅꯕ ꯁꯦꯝꯒꯠꯄꯗ ꯆꯤꯐ ꯃꯤꯅꯤꯁꯇꯔ ꯑꯣꯀ꯭ꯔꯝ ꯏꯕꯣꯕꯤꯅ ꯂꯧꯈꯤꯕ
ꯊꯧꯗꯥꯡꯁꯤꯃꯗꯤ ꯊꯥꯒꯠꯇꯕ ꯉꯝꯂꯣꯏ꯫ ꯍꯧꯖꯤꯛꯇꯤ ꯂꯝꯕꯤ ꯑꯁꯤ ꯅꯤꯡꯊꯤꯖꯅ ꯐꯔꯦ꯫

ꯀꯩꯁꯥꯝꯄꯥꯠꯇꯒꯖꯤ ꯅꯤꯡꯊꯧꯈꯣꯡ ꯐꯥꯎꯕ ꯅꯨꯃꯤꯗꯥꯡ ꯑꯊꯦꯡꯕ ꯍꯥꯏꯕꯁꯤ ꯑꯌꯦꯠ ꯑꯄꯟ
ꯀꯌꯥ ꯌꯥꯎꯗ꯭ꯔꯕ ꯃꯇꯝꯗ ꯀꯥꯡꯈꯣꯡ ꯃꯔꯤꯒꯤ ꯏꯟꯖꯤꯟ ꯄꯥꯟꯕ ꯒꯥꯔꯤ ꯑꯃꯅ ꯆꯠꯄꯗ
ꯃꯤꯅꯤꯠ 20 ꯐꯥꯅ ꯆꯪꯗ꯭ꯔꯦ꯫ ꯂꯝꯕꯤ ꯑꯁꯤ ꯅꯤꯡꯊꯤꯖꯅ ꯄꯥꯛꯄꯗꯒꯤ ꯍꯦꯟꯗꯣꯛꯂꯗꯨꯅ
ꯅꯨꯃꯤꯗꯥꯡꯒꯤ ꯃꯇꯝꯗꯁꯨ ꯑꯦꯜ ꯏ ꯗꯤ ꯕ꯭ꯂꯕ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯂꯪꯇ꯭ꯔꯤꯛ ꯂꯪꯂꯕ ꯃꯩꯒꯤ
ꯃꯉꯥꯜꯅ ꯆꯠꯊꯍꯛ ꯆꯠꯁꯤꯟ ꯇꯧꯕ ꯃꯤꯑꯣꯏ ꯀꯌꯥꯗ ꯑꯄꯟꯕ ꯊꯣꯛꯍꯟꯗ꯭ꯔꯦ꯫

ꯑꯃꯝꯕ ꯃꯐꯝꯗ ꯐꯠꯇ ꯍꯥꯎꯗꯤ, ꯑꯃꯣꯠ ꯑꯀꯥꯏ ꯂꯪꯊꯣꯛꯐꯝ ꯑꯣꯏꯔꯝꯕꯗꯨꯁꯨ
ꯍꯧꯖꯤꯛꯇꯤ ꯃꯩ ꯉꯥꯟꯅ ꯊꯥꯟꯈꯤꯕꯗꯒꯤ ꯑꯃꯣꯠ ꯑꯀꯥꯏ ꯍꯨꯟꯗꯍꯛꯄꯗꯤ ꯂꯥꯏꯔꯗꯅ
ꯅꯨꯃꯤꯗꯥꯡ ꯑꯊꯦꯡꯕꯗ ꯃꯐꯝ ꯆꯥꯗꯕ ꯃꯄꯥꯟ ꯊꯣꯛꯀꯦ ꯍꯥꯏꯕ ꯐꯥꯎꯕ ꯍꯪꯒꯣꯏꯕ ꯐꯥꯎꯔꯦ꯫

ꯃꯁꯤꯃꯛ ꯆꯥꯎꯈꯠꯄꯒꯤ ꯃꯁꯛ ꯑꯃ ꯃꯤꯄꯨꯝ ꯇꯤꯡꯅ ꯈꯪꯃꯤꯟꯅꯕ ꯍꯥꯏꯕꯗꯨꯅ
ꯂꯩꯉꯥꯛꯀꯤ ꯗꯤꯚꯦꯂꯞꯃꯦꯟꯠ ꯋꯥꯔꯛꯅ ꯄꯤꯔꯛꯄ ꯈꯨꯗꯣꯜꯅꯤ ꯍꯥꯏꯕ ꯌꯥꯏ꯫ ꯂꯝꯕꯤ
ꯑꯁꯤ ꯑꯣꯏꯅꯕ ꯂꯟꯅꯥꯏ ꯌꯨꯝ ꯀꯌꯥ ꯂꯧꯁꯤꯟꯈꯤꯕꯗꯒꯤ ꯑꯇꯦꯛ ꯑꯀꯥꯏꯅ ꯊꯜꯂꯕ
ꯌꯨꯝ ꯀꯌꯥꯃꯔꯨꯝ ꯂꯩꯔꯝꯕꯗꯨ ꯍꯧꯖꯤꯛꯇꯤ ꯅꯤꯡꯊꯤꯖꯅ ꯁꯦꯝꯖꯤꯜꯂꯛꯇꯨꯅ ꯃꯥꯔꯀꯦꯠꯁꯨ
ꯑꯦꯛꯁꯄꯥꯟꯁꯟ ꯇꯧꯔꯛꯂꯦ꯫ ꯀꯩꯁꯥꯝꯄꯥꯠꯇꯒꯤ ꯀ꯭ꯋꯥꯀꯩꯊꯦꯜ ꯐꯥꯎꯕ ꯂꯝꯕꯤꯒꯤ ꯅꯥꯛ
ꯌꯦꯠꯇ ꯗꯨꯀꯥꯟ ꯉꯥꯛꯇ ꯉꯥꯏꯔꯛꯂꯦ꯫ ꯃꯁꯤꯅ ꯊꯕꯛ ꯐꯪꯗꯕ ꯃꯤꯑꯣꯏ ꯀꯌꯥꯗ ꯊꯕꯛ
ꯄꯤꯔꯦ ꯍꯥꯏꯅ ꯐꯥꯎꯕ ꯂꯧꯕ ꯌꯥꯔꯦ꯫ ꯍꯧꯖꯤꯛ ꯑꯣꯏꯔꯤꯕ ꯇꯤꯗꯤꯝ ꯂꯝꯕꯤꯒꯤ ꯐꯤꯚꯝ
ꯑꯁꯤꯒꯨꯝꯕ ꯏꯝꯐꯥꯜ ꯏꯁꯠꯀꯤ ꯃꯐꯝ ꯈꯔ ꯑꯃꯗꯤ ꯏꯟꯗꯣ-ꯃ꯭ꯌꯥꯟꯃꯥꯔ ꯂꯝꯕꯤ
ꯁꯦꯝꯕ ꯃꯊꯧ ꯇꯥꯔꯤ꯫ ꯏꯝꯐꯥꯜ ꯃ꯭ꯌꯨꯅꯤꯁꯤꯄꯥꯜ ꯑꯦꯔꯤꯌꯥ ꯃꯅꯨꯡꯗ ꯂꯩꯕ ꯂꯝꯕꯤꯃꯈꯩ
ꯇꯤꯗꯤꯝ ꯂꯝꯕꯤꯒꯨꯝꯅ ꯄꯥꯛꯄꯃꯛ ꯅꯠꯇ꯭ꯔꯕꯁꯨ ꯁ꯭ꯇ꯭ꯔꯤꯠ ꯂꯦꯝꯞ ꯉꯥꯟꯅ
ꯊꯥꯟꯕ ꯑꯃꯁꯨꯡ ꯀꯣꯏꯂꯥꯁ ꯅꯤꯡꯊꯤꯖꯅ ꯊꯥꯔꯕꯗꯤ ꯁꯍꯔ ꯑꯁꯤ ꯍꯦꯟꯅ ꯃꯁꯛ
ꯐꯖꯍꯟꯕ ꯉꯝꯒꯅꯤ꯫ ꯃꯁꯤꯗ ꯆꯪꯒꯗꯕ ꯁꯦꯟꯐꯝꯁꯤꯡ ꯑꯗꯨ ꯂꯩꯉꯥꯛꯅ ꯄꯥꯝꯕꯩ ꯑꯃ
ꯇꯧꯗꯨꯅ ꯄꯨꯊꯣꯛꯂꯒ ꯂꯝꯕꯤꯁꯤꯡ ꯑꯁꯤ ꯊꯨꯅ ꯁꯦꯝꯖꯤꯜꯂꯕꯗꯤ ꯃꯅꯤꯄꯨꯔꯁꯨ ꯑꯇꯩ
ꯁ꯭ꯇꯦꯠꯀꯨꯝꯅ ꯃꯄꯥꯟꯊꯣꯡꯗꯗꯤ ꯂꯪꯂꯒꯅꯤ꯫ ꯇꯤꯗꯤꯝ ꯂꯝꯕꯤ ꯄꯥꯛꯂꯦ, ꯆꯥꯎꯔꯦ꯫

ꯀꯣꯏꯂꯥꯁ ꯅꯤꯡꯊꯤꯖꯅ ꯊꯥꯕꯗꯒꯤ ꯃꯤꯌꯥꯝꯒꯤ ꯆꯠꯊꯣꯛ ꯆꯠꯁꯤꯟꯗ ꯁꯥꯊꯤꯅ
ꯅꯨꯡꯉꯥꯏꯔꯦ꯫ ꯑꯗꯨꯕꯨ ꯃꯤꯌꯥꯝꯒꯤ ꯅꯨꯡꯉꯥꯏꯅꯕ ꯂꯝꯕꯤ ꯁꯦꯝꯕꯗ ꯃꯣꯔꯣꯛ ꯃꯦꯠꯄꯗ
ꯖꯥꯠ ꯇꯥꯕ ꯍꯥꯏꯕꯗꯧꯅ ꯂꯩꯉꯥꯛꯀꯤ ꯊꯧꯁꯤꯜꯗ ꯑꯁꯣꯏꯕ ꯈꯔ ꯂꯩꯕꯅ ꯆꯠꯊꯣꯛ ꯆꯠꯁꯤꯟ
ꯇꯧꯔꯤꯕ ꯃꯤꯌꯥꯝꯗ ꯑꯄꯟꯕ ꯄꯤꯕ ꯑꯃꯁꯨꯡ ꯈꯨꯗꯣꯡꯊꯤꯕ ꯀꯌꯥꯃꯔꯨꯝ ꯊꯣꯔꯛꯂꯦ꯫

ꯀꯩꯁꯥꯝꯄꯥꯠꯇꯒꯤ ꯍꯣꯗꯥꯝ ꯂꯩꯔꯛ ꯃꯄꯥ ꯐꯥꯎꯕꯒꯤ ꯗꯤꯚꯥꯏꯗꯔ ꯋꯥꯡꯅ ꯅꯤꯡꯊꯤꯖꯅ
ꯈꯥꯒꯠꯈꯤꯕꯗꯒꯤ ꯂꯝꯕꯤ ꯃꯇꯦꯛ ꯑꯁꯤꯗ ꯃꯈꯜ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ ꯒꯥꯔꯤꯁꯤꯡ ꯔꯥꯏꯠ
ꯇ꯭ꯔꯟ ꯂꯩꯈꯤꯗ꯭ꯔꯦ꯫ ꯍꯣꯗꯥꯝ ꯂꯩꯔꯛꯇꯒꯤ ꯀ꯭ꯋꯥꯀꯩꯊꯦꯜ ꯐꯥꯎꯕꯁꯨ ꯂꯝꯕꯤ ꯐꯥꯎꯗꯣꯛ
ꯐꯥꯎꯖꯤꯟ ꯌꯥꯍꯟꯗ꯭ꯔꯦ꯫ ꯀ꯭ꯋꯥꯀꯩꯊꯦꯜꯗꯒꯤ ꯑꯃꯨꯛ ꯏꯝꯐꯥꯜ ꯀꯣꯂꯦꯖ ꯃꯌꯥ ꯐꯥꯎꯕ
ꯗꯤꯚꯥꯏꯗꯔ ꯂꯥꯟꯊꯣꯛꯄ ꯌꯥꯗꯅ ꯁꯦꯝꯈ꯭ꯔꯦ꯫ ꯃꯇꯠ ꯃꯇꯠ ꯗꯤꯚꯥꯏꯗꯔ ꯈꯥꯕꯒꯤ
ꯁꯤꯁꯇꯦꯝ ꯂꯧꯊꯣꯛꯈꯤꯕꯁꯤꯅ ꯃꯔꯝ ꯑꯣꯏꯔꯗꯨꯅ ꯉꯥꯏꯍꯥꯛ ꯂꯩꯇꯅ ꯊꯣꯛꯂꯝꯕ
ꯑꯦꯛꯁꯤꯗꯦꯟꯠꯀꯤ ꯊꯧꯗꯣꯛꯇꯤ ꯍꯟꯊꯔꯦ꯫ ꯃꯤꯌꯥꯝꯅ ꯆꯠꯊꯣꯛ ꯆꯠꯁꯤꯟꯗ
ꯍꯥꯟꯅꯒꯤ ꯃꯑꯣꯡꯗꯨꯗꯒꯤ ꯍꯣꯡꯂꯛꯄꯅ ꯈꯨꯗꯣꯡꯆꯥꯗꯕ ꯃꯥꯌꯣꯛꯅꯩ꯫ ꯈꯜꯂꯕꯁꯨ ꯃꯇꯝ
ꯈꯔꯒꯤ ꯇꯨꯡꯗꯗꯤ ꯁꯣꯏꯗꯅ ꯍꯩꯅꯔꯛꯇꯨꯅ ꯈꯨꯗꯣꯡꯊꯤꯕ ꯊꯣꯛꯄꯒꯤ ꯆꯥꯡ ꯑꯃꯨꯛꯀꯁꯨ
ꯍꯟꯊꯍꯟꯕ ꯉꯝꯂꯒꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯇꯥꯡ ꯑꯁꯤꯗ ꯅꯩꯅꯗꯕ ꯌꯥꯗꯕ ꯋꯥꯐꯝ ꯑꯃꯗꯤ
ꯌꯨꯝꯂꯛ ꯐꯥꯎꯔꯒ ꯆꯠꯄꯒꯨꯝꯅ ꯂꯩꯔꯤꯕ ꯅꯦꯁꯅꯦꯜ ꯍꯥꯏꯋꯦꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯅꯥꯛ \

ꯦꯠꯇ ꯈꯨꯟꯗꯥꯔꯤꯕ ꯃꯤꯌꯥꯝꯒꯤ ꯍꯧꯖꯤꯛ ꯍꯧꯖꯤꯛꯀꯤ ꯑꯣꯏꯕ ꯋꯥꯀꯠ ꯀꯔꯤꯅꯣ ꯍꯥꯏꯕ
ꯂꯩꯉꯥꯛꯅ ꯈꯟꯕ ꯆꯨꯝꯒꯅꯤ꯫ ꯀꯩꯁꯥꯝꯄꯥꯠꯇꯒꯤ ꯊꯧꯗꯥꯔꯛꯄ ꯃꯁꯤꯡ ꯌꯥꯝꯂꯕ ꯒꯥꯔꯤꯁꯤꯡ
ꯂꯝꯕꯤꯒꯤ ꯅꯥꯀꯜꯗ ꯂꯩꯕ ꯀꯩꯁꯥꯝꯄꯥꯠꯂꯣꯝꯗ ꯆꯠꯅꯕꯒꯤ ꯑꯃꯠꯇ ꯉꯥꯏꯔꯕ ꯃꯐꯝ ꯍꯣꯗꯥꯝ
ꯂꯩꯔꯛ ꯃꯄꯥꯗ ꯍꯥꯡꯍꯟꯗꯨꯅ ꯊꯝꯂꯤꯕ ꯃꯐꯝꯁꯤꯅ ꯑꯣꯏꯔꯦ꯫ ꯁꯦꯒꯥ ꯔꯣꯗꯂꯣꯝꯗꯒꯤ
ꯂꯥꯛꯄꯕꯨ ꯑꯣꯏꯔꯕꯁꯨ ꯂꯝꯕꯤ ꯂꯥꯟꯊꯣꯛꯅꯕ ꯃꯐꯝꯗꯨꯁꯨ ꯍꯣꯗꯥꯝ ꯂꯩꯔꯛꯀꯤ ꯃꯄꯥ ꯑꯁꯤꯅ
ꯑꯣꯏꯔꯤ꯫ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯍꯥꯏꯔꯕꯗ ꯍꯧꯖꯤꯛꯇꯤ ꯍꯣꯗꯥꯝ ꯂꯩꯔꯛ ꯃꯄꯥꯗ ꯍꯥꯡꯍꯜꯂꯒ
ꯊꯝꯂꯤꯕ ꯗꯤꯚꯥꯏꯗꯔꯒꯤ ꯃꯐꯝ ꯑꯁꯤ ꯃꯁꯤꯡ ꯌꯥꯝꯂꯕ ꯃꯤꯌꯥꯝꯒꯤ ꯂꯥꯟꯊꯣꯛ ꯂꯥꯟꯁꯤꯟ
ꯇꯧꯅꯕꯒꯤ ꯑꯃꯠꯇ ꯉꯥꯏꯔꯕ ꯃꯐꯝ ꯑꯣꯏꯔꯛꯂꯦ꯫ ꯑꯌꯨꯛ, ꯅꯨꯡꯊꯤꯜ, ꯅꯨꯃꯤꯗꯥꯡ
ꯊꯤꯗꯅ ꯃꯁꯤꯡ ꯌꯥꯝꯂꯕ ꯃꯤꯑꯣꯏ ꯀꯌꯥꯅ ꯂꯥꯟꯊꯣꯛ ꯂꯥꯟꯁꯤꯟ ꯇꯧꯅꯕ ꯃꯐꯝ ꯑꯣꯏꯕ,
ꯑꯃꯔꯣꯝꯗꯅ ꯂꯝꯕꯤ ꯐꯕꯒꯤ ꯆꯨꯝꯗ꯭ꯔꯤꯡ ꯆꯨꯝꯅ ꯒꯥꯔꯤ ꯊꯧꯔꯛꯄ ꯀꯥꯡꯕꯨꯅ ꯈꯣꯡꯖꯦꯜ \

ꯦꯡꯅ ꯃꯈꯣꯏ ꯃꯈꯣꯏꯒꯤ ꯒꯥꯔꯤꯁꯤꯡ ꯊꯧꯔꯛꯄꯅ ꯃꯐꯝ ꯑꯁꯤꯋꯥꯏꯗ ꯑꯁꯣꯏꯕ ꯑꯃ
ꯂꯩꯕꯗꯧꯅ ꯉꯥꯏꯍꯥꯛ ꯂꯩꯇꯅ ꯈꯨꯗꯣꯡꯊꯤꯕ ꯊꯣꯛꯂꯦ꯫ ꯍꯟꯗꯛꯇꯁꯨ ꯀꯥꯔ ꯑꯅꯤ ꯌꯩꯁꯤꯟꯅꯗꯨꯅ
ꯑꯦꯛꯁꯤꯗꯦꯟꯠ ꯊꯣꯛꯄꯗ ꯃꯇꯩ ꯃꯅꯥꯎ ꯁꯣꯛꯄꯒꯤ ꯊꯧꯗꯣꯛ ꯂꯩꯈ꯭ꯔꯦ꯫ ꯃꯔꯝ ꯑꯗꯨꯅ
ꯃꯐꯝ ꯑꯁꯤꯗ ꯇ꯭ꯔꯥꯐꯤꯛ ꯄꯨꯂꯤꯁ ꯈꯔ ꯊꯝꯅꯕꯒꯤꯗꯃꯛ ꯇ꯭ꯔꯥꯐꯠꯛ ꯑꯥꯏꯂꯦꯟꯙ ꯑꯃ
ꯁꯦꯝꯒꯠꯄ ꯃꯊꯧ ꯇꯥꯏ꯫ ꯃꯁꯤꯗꯁꯨ ꯅꯠꯇꯅ ꯗꯅꯤꯚꯥꯏꯗꯔꯒꯤ ꯃꯔꯛꯀꯤ ꯑꯍꯣꯕ ꯑꯁꯤ
ꯂꯩꯀꯥꯏꯒꯨꯝꯅ ꯂꯩꯔꯤꯕ ꯃꯤ ꯀꯨꯅꯡ ꯇꯥꯕ ꯃꯐꯝꯗꯗꯤ ꯀꯤꯂꯣꯃꯤꯇꯔ ꯃꯈꯥꯏ ꯈꯨꯗꯤꯡꯒꯤ ꯊꯝꯕ
ꯌꯥꯕ꯭ꯔ ꯍꯥꯏꯕꯗꯨꯁꯨ ꯌꯦꯡꯁꯤꯜꯍꯟꯅꯤꯡꯏ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
ꯂꯧꯎ-ꯁꯤꯡꯎꯒꯤ ꯋꯥꯍꯡ ꯄꯥꯎꯈꯨꯝ ꯫" ꯍꯪꯒꯥꯝ ꯃꯄꯥꯜ ꯁꯥꯕ ꯍꯧꯔꯛꯂꯦ꯫ ꯍꯦꯛ ꯍꯧꯔꯛꯄꯒ ꯋꯥꯔꯤꯛꯁꯨ (Aphid) ꯇꯥꯕ ꯍꯧꯔꯛꯂꯦ꯫ _

ꯥꯔꯤꯛ ꯍꯥꯠꯅꯕ ꯍꯤꯗꯥꯛ ꯑꯃꯠꯇ ꯈꯪꯖꯅꯤꯡꯏ꯫ ꯃꯃꯥꯡꯒꯤ ꯂꯧꯗ ꯇꯥꯕ ꯋꯥꯇꯤꯛ ꯍꯥꯤꯅꯕ (Thiame-

thoxam) ꯁꯤꯖꯤꯟꯅꯈꯤ; ꯈꯔ ꯂꯦꯝꯍꯧꯏ꯫꯫ ꯍꯤꯗꯥꯛꯁꯤ ꯃꯈ ꯇꯥꯅ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯁꯒꯗ꯭ꯔ
ꯅꯠꯇ꯭ꯔꯒ ꯑꯇꯣꯞꯄ ꯍꯣꯡꯕꯅ ꯆꯨꯝꯒꯗ꯭ꯔ? ꯈꯣꯏꯁꯨ ꯄꯥꯏ꯫ ꯍꯤꯗꯥꯛꯁꯤ ꯀꯥꯞꯄꯗ ꯑꯀꯥꯏꯕ
ꯂꯩꯒꯗ꯭ꯔ? ꯅꯠꯇ꯭ꯔꯒ ꯀꯔꯤ ꯍꯤꯗꯥꯛ ꯀꯥꯞꯄꯅ ꯍꯦꯟꯅ ꯆꯨꯝꯒꯅꯤ?

꯫" ꯁꯥꯐꯝ ꯃꯪꯒꯤꯕꯥꯕꯨ ꯁꯤꯡꯍ, ꯈꯣꯡꯖꯣꯝ
꯫" ꯋꯥꯍꯤꯛꯀꯗꯃꯛ Dimethoate 30% (ꯙꯍꯤꯍꯗ) ꯀꯥꯞꯄꯅ ꯆꯨꯝꯒꯅꯤ꯫ ꯈꯣꯏꯁꯨ ꯄꯥ-

ꯏꯕꯅꯤꯅ Dimethoate ꯁꯤꯖꯤꯟꯅꯔꯣꯏꯁꯤ꯫ Dimethoate ꯃꯤꯂꯤꯂꯤꯇꯔ ꯃꯉꯥ ꯏꯁꯤꯡ
ꯂꯤꯇꯔ 15 ꯈꯨꯗꯤꯡꯗ ꯌꯥꯜꯂꯒ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯌꯣꯟꯁꯤꯡ ꯆꯣꯠꯅꯕ ꯀꯥꯞꯊꯣꯛꯁꯤ꯫ ꯍꯤꯗꯥꯛꯁꯨ ꯑꯇꯥꯡꯕ
ꯅꯠꯇꯕꯅꯤꯅ ꯃꯃꯥꯡꯗ ꯁꯤꯖꯤꯟꯅꯈꯤꯕꯗꯒꯤ ꯂꯦꯝꯍꯧꯕ ꯍꯤꯗꯥꯛ ꯁꯤꯖꯤꯟꯅꯔꯣꯏꯁꯤ꯫ ꯃꯤꯂꯤꯂꯤꯇꯔ
ꯃꯉꯥ ꯏꯁꯤꯡ ꯂꯤꯇꯔ 15 ꯈꯨꯗꯤꯡꯗ ꯃꯇꯥꯡ ꯆꯥꯕꯗ ꯁꯤꯖꯟꯅꯅꯕ ꯊꯝꯁꯤ꯫ ꯆꯥꯟꯅꯕ ꯍꯤꯗꯥꯛꯈꯛꯇꯃꯛ
ꯁꯤꯖꯤꯅꯅꯁꯤ꯫ ꯃꯁꯤꯅ ꯑꯆꯨꯝꯕ ꯈꯣꯡꯊꯥꯡ ꯑꯣꯏꯒꯅꯤ꯫

꯫" ꯍꯪꯒꯥꯝ ꯃꯄꯥꯜ ꯂꯥꯛꯄ ꯍꯧꯔꯦ꯫ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯆꯥꯟꯖꯥꯛꯁꯨ ꯑꯣꯏꯕ ꯑꯗꯨꯒ ꯄꯥꯎꯗꯔꯔꯤ ꯃꯤꯗꯤꯎ
ꯑꯃꯁꯨꯡ ꯑꯇ ꯃꯈꯜ ꯀꯌꯥꯒꯤ ꯂꯥꯏꯅꯁꯨ ꯐꯕ ꯍꯥꯏꯗꯨꯅ ꯁꯜꯐꯔ 40% ꯅꯠꯇ꯭ꯔꯒ ꯁꯜꯐꯔ 62% ꯑꯅꯤꯒꯤ
ꯃꯅꯨꯡꯗ ꯑꯃ ꯀꯥꯞꯀꯦ ꯈꯟꯖꯔꯤ꯫ ꯑꯗꯨꯕꯨ ꯋꯥꯍꯤꯛ ꯛꯥꯕ ꯍꯧꯔꯛꯄꯁꯤꯗ ꯋꯥꯍꯤꯛꯀꯤ ꯍꯤꯗꯥꯛꯁꯨ ꯀꯥ-

ꯞꯅꯤꯡꯏ꯫ ꯀꯔꯝꯕ ꯍꯥꯟꯅ ꯀꯥꯞꯛꯗꯒꯦ? ꯇꯤꯜꯁ ꯃꯐꯝ ꯄꯨꯃꯅꯃꯛ ꯇꯥꯕꯗꯤ ꯅꯠꯇꯦ꯫

꯫" ꯑꯦꯝ ꯃꯣꯕꯤ, ꯇꯦꯛꯆꯝ
꯫" ꯋꯥꯍꯤꯛꯀꯤ ꯍꯤꯗꯥꯛ ꯍꯥꯟꯅ ꯀꯥꯞꯁꯤ꯫ ꯇꯤꯜꯅꯥꯁꯤ ꯁꯟꯗꯣꯛꯄꯗ ꯊꯨꯏ꯫

꯫" ꯄꯥꯝꯕꯤꯕꯨ ꯉꯥꯡꯍꯟꯕꯁꯨ ꯊꯨꯏ꯫ ꯋꯥꯍꯤꯛꯀꯤ ꯍꯤꯗꯥꯛ ꯀꯥꯞꯂꯕ ꯃꯇꯨꯡ ꯅꯨꯃꯤꯠ 10-15 (ꯍꯤꯗꯥꯛ ꯈꯦꯟ-

ꯅꯕꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ) ꯂꯩꯔꯒ ꯁꯜꯐꯔꯗꯨ ꯀꯥꯞꯁꯤ꯫ ꯃꯁꯤ ꯑꯣꯏꯔꯕꯗꯤ ꯂꯥꯏꯅ ꯐꯍꯟꯕꯇ ꯅꯠꯇꯅ
ꯊꯥꯎꯒꯤ ꯊꯁꯨꯊꯣꯛ ꯍꯦꯟꯍꯟꯅꯕ ꯫ ꯋꯥꯍꯤꯛꯀꯤ ꯍꯤꯗꯥꯛꯇꯨꯁꯨ ꯃꯐꯝ ꯁꯤꯟꯊꯨꯡꯅ ꯀꯥꯞꯀꯗꯕ ꯅꯠꯇꯦ꯫

ꯑꯇꯥꯕ ꯃꯐꯝꯗꯨꯈꯛ ꯀꯥꯞꯁꯤ꯫

꯫" ꯇꯔꯕꯨꯖ ꯈꯔ ꯊꯥꯅꯕ ꯁꯦꯝ ꯁꯥꯖꯔꯤ꯫ ꯆꯥꯔꯥ ꯑꯣꯏꯅ ꯁꯦꯝꯗꯦ꯫ ꯐꯩꯗꯣꯝ ꯆꯤꯡꯈꯠꯂꯒ ꯑꯗꯨꯝ ꯂꯤꯡꯒꯦ ꯇꯧ-

ꯕꯅꯤ꯫ ꯃꯇꯝꯁꯤ ꯌꯥꯔꯤꯕ꯭ꯔ, ꯊꯦꯝꯂꯕ꯭ꯔ? ꯀꯥꯡꯈꯨꯜꯁꯤꯡꯗ ꯍꯥꯞꯀꯗꯕ ꯍꯥꯔꯒꯤ ꯆꯥꯡꯁꯨ ꯈꯔ ꯈꯪꯖꯒꯦ꯫

ꯀꯥꯅꯒꯒꯨꯝꯕ ꯈꯔꯗꯤ ꯂꯧꯄꯥꯛꯇ ꯍꯥꯔ ꯍꯥꯞꯂꯒ ꯈꯣꯏꯖꯤꯟꯕꯁꯨ ꯌꯥꯎꯏ꯫ ꯀꯔꯝꯕꯅ ꯍꯦꯟꯅ ꯐꯒꯅꯤ꯫

ꯑꯇꯣꯞꯄ ꯋꯐꯝ ꯑꯃꯅ ꯇꯔꯕꯨꯖꯁꯤ ꯂꯥꯟꯅ ꯂꯤꯡꯗꯕꯅꯤꯅ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯃꯔꯨꯛꯇ ꯀꯔꯤ-ꯀꯔꯤ
ꯊꯥꯖꯤꯟꯕ ꯌꯥꯕꯒꯦ ꯍꯥꯏꯕꯗꯨꯁꯨ ꯈꯪꯖꯅꯤꯡꯏ꯫

꯫" ꯐꯨꯔꯥꯏꯂꯥꯠꯄꯝ ꯆꯟꯗ꯭ꯔꯣ ꯁꯤꯡꯍ, ꯅꯝꯕꯣꯜ
꯫" ꯈꯖꯤꯛꯇꯡꯗꯤ ꯊꯦꯡꯂꯦ꯫ ꯑꯗꯨꯕꯨ ꯌꯥꯝꯅꯃꯛ ꯊꯦꯡꯕ ꯍꯥꯏꯕꯗꯨꯗꯤ ꯑꯣꯏꯗ꯭ꯔꯤꯕꯅ ꯊꯥꯅꯕ ꯊꯧꯔꯥꯡ
ꯇꯧꯕ ꯌꯥꯔꯤ꯫ ꯇꯔꯕꯨꯖꯀꯤꯗꯃꯛꯇ ꯀꯥꯡꯈꯨꯜꯗ ꯍꯥꯔ ꯍꯥꯞꯄꯅ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯍꯦꯟ ꯐꯩ꯫ ꯂꯩꯕꯥꯛꯛꯇ
ꯈꯣꯏꯖꯤꯟꯕꯗꯤ ꯑꯔꯦꯝꯕꯗ ꯍꯥꯔ ꯃꯥꯉꯏ꯫ ꯃꯔꯛꯇ ꯑꯇꯣꯞꯄ ꯄꯥꯝꯤ ꯅꯤꯌꯝ ꯆꯨꯝꯅ ꯊꯥꯖꯤꯜ-

ꯂꯕꯗꯤ ꯊꯣꯏꯅ ꯃꯥꯡꯗꯦ꯫ ꯊꯥꯖꯤꯟꯕ ꯌꯥꯕ ꯄꯥꯝꯕꯤꯁꯤꯡꯒꯤ ꯃꯈꯜ ꯌꯥꯝꯃꯤ꯫ ꯍꯪꯒꯥꯝ ꯃꯨꯜꯂꯥ, ꯑꯥꯂꯨ
ꯑꯃꯁꯨꯡ ꯁꯧꯒ꯭ꯔꯤꯅꯆꯤꯡꯕ ꯑꯇꯦꯟꯕ ꯃꯇꯝꯗ ꯂꯧꯊꯣꯛꯄ ꯌꯥꯕ ꯄꯥꯝꯕꯤ ꯑꯃꯍꯦꯛꯇ ꯊꯥꯕ \

ꯥꯒꯅꯤ꯫

꯫" ꯈꯥꯡꯈꯨꯜ ꯑꯃ ꯇꯔꯨꯖ ꯑꯅꯤ/ꯑꯅꯤ ꯂꯧꯔꯦ꯫ ꯃꯔꯨ ꯑꯅꯤ ꯑꯅꯤ ꯊꯥꯖꯤꯜꯂꯨꯕꯅꯤ꯫ ꯑꯃ ꯁꯣꯏꯔꯕꯁꯨ
ꯑꯗꯤ ꯁꯣꯏꯗꯅ ꯍꯧꯅꯕ ꯍꯥꯏꯗꯨꯅ꯫ ꯍꯧꯖꯤꯛ ꯑꯅꯤꯃꯛ ꯍꯧꯍꯟꯒꯗ꯭ꯔ?ꯅꯠꯇ꯭ꯔꯒ ꯑꯃ ꯀꯛꯊꯠ-

ꯛꯗ꯭ꯔ? ꯅꯠꯇ꯭ꯔꯒ ꯂꯥꯏꯅ ꯇꯥꯔꯛꯂꯕ ꯃꯇꯨꯡꯗ ꯐꯠꯇꯕꯗꯨ ꯂꯧꯊꯪꯛꯀꯗ꯭ꯔ?

꯫" ꯁꯦꯔꯥꯝ ꯃꯨꯈꯣ ꯁꯤꯡꯍ, ꯅꯝꯕꯣꯜ
꯫" ꯄꯥꯝꯕꯤ ꯑꯃꯈꯛꯀꯤ ꯁꯦꯝꯈꯠꯕ ꯀꯥꯡꯈꯨꯜ ꯑꯣꯏꯔꯕꯗꯤ ꯄꯥꯝꯕꯤ ꯑꯃꯈꯛ ꯊꯃꯒ- ꯅꯤ; ꯑꯃ ꯀꯛꯊꯠꯄꯤꯒꯗꯕꯅꯤ꯫ ꯃꯤ ꯑꯃꯒꯤ ꯆꯥꯛ ꯃꯤ ꯑꯅꯤ ꯆꯥꯃꯤꯟꯅꯕ ꯍꯥꯏꯕꯁꯤ
ꯃꯤꯑꯣꯏꯕꯒꯤ ꯑꯣꯏꯅꯗꯤ ꯐꯖꯕ ꯂꯣꯟꯆꯠ ꯑꯣꯏꯕ ꯌꯥꯏ꯫ ꯑꯗꯨꯕꯨ ꯄꯥꯝꯕꯤꯒꯨꯝꯕꯗꯗꯤ ꯄꯣꯠ-

ꯊꯣꯛ ꯍꯟꯊꯅꯕ ꯃꯆꯥꯛ ꯑꯃꯅꯤ꯫ ꯑꯇꯣꯞꯄ ꯋꯥꯐꯝ ꯑꯃꯅ ꯍꯌꯦꯡ ꯀꯣꯟꯅ ꯅꯥꯔꯛꯄ
ꯄꯥꯃꯕꯤ ꯂꯧꯊꯣꯛꯅꯕ ꯉꯥꯏꯗꯕ ꯆꯨꯝꯒꯅꯤ꯫ ꯀꯔꯤꯒꯨꯝꯕ ꯅꯥꯔꯛꯇꯕ ꯊꯣꯛꯂꯕꯗꯤ ꯀꯝꯗꯧꯒꯅ-

ꯤ?ꯃꯗꯨꯅ ꯄꯥꯝꯕꯤ ꯅꯥꯔꯛꯄ ꯉꯥꯏꯔꯣꯏꯁꯤ꯫ ꯄꯥꯝꯕꯤ ꯑꯃ ꯂꯧꯊꯣꯛꯁꯤ꯫

꯫" BE ꯂꯥꯛꯄꯗ ꯑꯂꯨꯒꯤ ꯃꯅꯥꯁꯤꯡ ꯀꯪꯁꯤꯜꯂꯛꯂꯦ꯫ ꯂꯧꯔꯤꯗ ꯊꯥꯔꯤꯕ ꯑꯂꯨꯁꯤ ꯆꯍꯤ ꯈꯨꯗꯤꯡꯒ
ꯎꯟꯅ ꯍꯥꯠꯄ ꯃꯌꯥꯝ ꯑꯃ ꯌꯥꯎꯏ꯫ ꯎꯟꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯀꯔꯤ ꯍꯤꯗꯥꯛ ꯁꯤꯖꯤꯟꯅꯒ-

ꯗꯒꯦ?ꯗꯨꯛꯥꯟꯗꯒꯤ Rich Rooter ꯄꯤꯔꯛꯄꯁꯨ ꯌꯥꯎꯏ꯫ ꯃꯁꯤꯕꯨ ꯀꯥꯟꯅꯒꯗ꯭ꯔ?

꯫" ꯁꯥꯄꯝ ꯖꯣꯏ ꯁꯤꯡꯍ, ꯀꯛꯆꯤꯡ
꯫" ꯎꯟꯒꯤ ꯑꯣꯏꯅ ꯍꯤꯗꯥꯛ ꯑꯃ ꯃꯅꯤꯄꯨꯔꯗ ꯌꯣꯟꯗꯦ꯫ ꯗꯥꯏꯝꯊꯥꯏ ꯁꯜꯐꯣꯛꯁꯥꯏꯗ
ꯀꯥꯞꯄ ꯀꯥꯟꯅꯒꯅꯤ ꯑꯗꯨꯕꯨ ꯃꯁꯤꯁꯨ ꯐꯪꯗꯦ꯫ ꯑꯇꯣꯞꯄ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯕꯗꯤ ꯁꯜꯐꯨꯔꯤꯛ
ꯑꯦꯁꯤꯗ, ꯒ꯭ꯂꯨꯀꯣꯁꯅꯆꯤꯡꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯁꯤꯒꯤ ꯃꯥꯡꯖꯕ ꯃꯌꯥꯝ ꯑꯃꯁꯨ ꯂꯩꯕꯅꯤꯅꯤ
ꯁꯤꯖꯤꯟꯅꯅꯕ ꯍꯥꯏꯗꯦ꯫ ꯏꯁꯤꯡ ꯆꯟꯕ ꯑꯃꯁꯨꯡ ꯃꯩꯈꯨ ꯊꯥꯗꯣꯛꯂꯕ ꯋꯥꯏ ꯑꯃꯁꯨꯡ
ꯐꯠꯇ ꯍꯧꯗꯤ ꯃꯩ ꯊꯥꯕ ꯅꯠꯇꯅ ꯑꯇꯣꯞꯄ ꯂꯩꯇꯩ꯫ Rich Rooter ꯗꯤ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯔ
ꯇꯥꯟꯕꯅꯤ꯫

ꯑꯥꯏꯟ ꯈꯪꯃꯤꯟꯅꯕꯒꯤ ꯇꯉꯥꯏꯐꯗꯕ: ꯁꯔꯨꯛ ꯈꯔꯗꯪ ꯁꯝꯂꯞꯅ ꯅꯩꯅꯕ
ꯅꯨꯄꯤꯒ ꯃꯔꯤ ꯂꯩꯅꯕ ꯑꯥꯏꯟꯁꯤꯡꯒꯤ ꯃꯔꯛꯇ ꯁꯔꯨꯛ ꯑꯃꯇꯪ \

ꯥꯝꯅ ꯁꯝꯅ ꯑꯃꯗꯤ ꯑꯔꯥꯏꯕ ꯂꯣꯜꯗ ꯈꯪꯃꯤꯟꯅꯁꯤ꯫ ꯂꯝꯗꯝ ꯑꯁꯤꯗ
ꯂꯩꯔꯤꯕ ꯍꯤꯟꯗꯨ (ꯒꯧꯔꯤꯌꯥ ꯂꯥꯏꯁꯣꯜ ꯑꯃꯗꯤ ꯃꯩꯇꯩ ꯂꯥꯏꯁꯣꯜ) ꯂꯥꯏꯅꯤꯡꯅ
ꯀꯣꯜꯂꯤꯕ ꯃꯤꯑꯣꯏ ꯃꯔꯨ ꯑꯣꯏꯅ ꯅꯨꯄꯤꯁꯤꯡꯅ ꯃꯄ ꯃꯄꯨꯒꯤ ꯂꯟ ꯊꯨꯝ
ꯐꯪꯕꯒꯤ ꯆꯥꯎꯔꯥꯛꯄ ꯈꯔꯗꯡ ꯈꯪꯃꯤꯟꯅꯕꯗ ꯀꯥꯟꯅꯒꯅꯤ꯫

ꯃꯃꯥꯡꯉꯍꯗꯒꯤ ꯍꯧꯅ ꯑꯩꯈꯣꯏꯒꯤ ꯈꯨꯟꯅꯥꯏ ꯑꯁꯤꯗꯁꯨ ꯅꯨꯄꯤꯕꯨ
ꯍꯟꯊꯕꯅ ꯈꯟꯕ ꯑꯁꯤ ꯆꯠꯅꯕꯤ ꯑꯣꯏꯔꯛꯏ꯫ ꯃꯃꯥ ꯑꯄꯥꯅ ꯐꯥꯎꯕ
ꯃꯆꯥ ꯅꯨꯄꯤꯁꯤꯡꯕꯨ ꯃꯆꯥ ꯅꯨꯄꯥꯁꯤꯡꯗꯒꯤ ꯍꯟꯊꯅ ꯌꯦꯡꯕꯒꯤ ꯆꯠꯅꯕꯤ
ꯍꯧꯖꯤꯛꯁꯨ ꯃꯥꯤꯡ ꯍꯦꯟꯅ ꯑꯗꯨꯃꯛ ꯂꯩꯔꯤ꯫ ꯃꯁꯤꯒꯤ ꯈꯨꯗꯝ ꯍꯥꯏꯕꯕꯨ
ꯏꯪꯈꯣꯜ-ꯁꯝꯕꯜ ꯑꯃꯗꯤ ꯂꯧ-ꯁꯤꯡꯒ ꯃꯔꯤ ꯂꯩꯅꯕ ꯀꯦꯁ ꯃꯔꯨ ꯑꯣꯏꯅ
ꯃꯄ ꯃꯄꯨꯒꯤ ꯂꯟ ꯊꯨꯝ ꯌꯦꯟꯊꯣꯛꯅꯕ ꯃꯇꯝꯗ ꯑꯍꯥꯟꯕ ꯃꯄꯨ ꯑꯗꯨꯒꯤ
ꯂꯟ ꯊꯨꯝ ꯐꯪꯕ ꯌꯥꯕ ꯃꯤꯁꯤꯡ ꯊꯥꯕꯗ ꯃꯅꯦ(ꯃꯄꯥꯒꯤ ꯃꯆꯦ ꯅꯠꯇ꯭ꯔꯒ
ꯃꯆꯜ), ꯃꯆꯦ ꯅꯠꯇ꯭ꯔꯒ ꯃꯆꯜꯁꯤꯡꯒꯤ ꯃꯁꯤꯡ ꯊꯥꯔꯛꯇꯕꯅꯥ ꯑꯌ
ꯥꯝꯕꯅꯤ꯫

ꯃꯌꯨꯝ ꯄꯥꯟꯗꯅ ꯃꯃꯥ-ꯃꯄꯥ, ꯃꯕꯨꯡ ꯃꯧꯄ꯭ꯋꯥꯒꯤ ꯌꯨꯝꯗ ꯂꯩꯔꯕ
ꯅꯠꯇ꯭ꯔꯒꯅ ꯃꯔꯥꯏꯕꯛ ꯊꯧꯗꯨꯅ ꯃꯌꯨꯝ ꯄꯥꯜꯂꯨꯔꯒ ꯃꯄꯥꯝꯗ ꯂꯩꯔꯕ ꯅꯨꯄꯤ
ꯀꯌꯥꯕꯨ ꯃꯄ ꯃꯄꯨꯒꯤ ꯂꯝ ꯅꯠꯇ꯭ꯔꯒ ꯂꯧ-ꯁꯤꯡ ꯑꯗꯨ ꯃꯈꯣꯏꯒꯤ ꯁꯔꯨꯛ
ꯌꯥꯎꯗ꯭ꯔꯕꯒꯨꯝ ꯊꯑꯣꯏꯅ ꯇꯧꯕꯤꯗꯕꯅ ꯑꯌꯥꯝꯕꯅꯤ꯫ ꯊꯥꯏꯅꯉꯩꯗ ꯅꯨꯄꯤꯕꯨ
ꯑꯉꯥꯡꯒꯤ ꯃꯃꯥ, ꯅꯨꯄꯥꯒꯤ ꯁꯦꯕ ꯇꯧꯅꯕ ꯑꯃꯗꯤ ꯏꯟꯊꯣꯛꯅꯤꯡꯕ ꯃꯇꯝꯗ
ꯍꯦꯛꯇꯃꯛ ꯏꯟꯊꯣꯛꯄ ꯌꯥꯕ ꯑꯣꯏꯅ ꯇꯧꯔꯝꯕ ꯑꯗꯨꯗꯒꯤ ꯍꯧꯖꯤꯛꯀ
ꯈꯔ ꯈꯦꯟꯅꯕ ꯂꯩꯔꯕꯁꯨ ꯂꯧꯁꯤꯡ ꯂꯩꯇꯕ ꯄꯥꯡꯒꯜꯗꯝꯛ ꯂꯩꯕ ꯅꯨꯄꯥꯁꯤꯡꯗꯤ
ꯊꯥꯏꯅꯒꯤ ꯋꯥꯈꯂ ꯑꯗꯨ ꯀꯣꯛꯇꯕꯅ ꯑꯌꯥꯝꯕꯅꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯋꯥꯈꯜꯂꯣꯟ
ꯆꯦꯟꯕ ꯃꯄꯥ-ꯃꯃꯥ, ꯃꯕꯨꯡ ꯃꯧꯄ꯭ꯋꯥꯗ ꯅꯠꯇꯅ ꯃꯕꯨꯡ ꯃꯧꯄ꯭ꯋꯥꯁꯤꯡ ꯑꯗꯨꯒꯤ
ꯃꯆꯥ ꯅꯨꯄꯥꯁꯤꯡꯅ ꯐꯥꯎꯕ ꯃꯌꯨꯝ ꯄꯥꯟꯗ꯭ꯔꯕꯤ ꯃꯆꯦꯝ ꯃꯅꯦꯝꯁꯤꯡꯕꯨ
ꯅꯠꯇ꯭ꯔꯒ ꯅꯨꯄ ꯃꯌꯨꯝꯗꯒꯤ ꯍꯜꯂꯛꯇꯨꯅ ꯅꯠꯇ꯭ꯔꯒ ꯅꯨꯄ ꯑꯗꯨ ꯁꯤꯈꯤꯗꯨꯅ
ꯃꯄꯥꯝꯗ ꯍꯜꯂꯛꯄꯒ ꯂꯩꯔꯔꯕꯤꯁꯤꯡꯕꯨ ꯇꯥꯊꯤꯅ ꯇꯧꯕꯤꯕ ꯑꯗꯨꯝꯃꯛ ꯂꯩ꯫

ꯑꯁꯤꯒꯨꯝꯅ ꯑꯋꯥꯕ ꯅꯪꯂꯕ ꯅꯨꯄꯤꯁꯤꯡꯅ ꯈꯪꯖꯤꯟꯕ ꯌꯥꯕ ꯑꯥꯏꯟ
ꯂꯩ ꯍꯥꯏꯕꯁꯤ ꯑꯌꯥꯝꯕꯅ ꯈꯪꯅꯗꯦ꯫ ꯑꯗꯨꯒ ꯈꯪꯂꯕꯁꯤꯡꯅꯁꯨ ꯋꯥꯌꯦꯜ
ꯂꯣꯏꯁꯪ ꯀꯥꯗꯨꯅ ꯃꯄꯥ, ꯃꯕꯨꯡ ꯃꯧꯄ꯭ꯋꯥ ꯅꯠꯇ꯭ꯔꯒꯤ ꯃꯕꯨꯡ ꯕꯧꯄ꯭ꯋꯥꯒꯤ
ꯃꯆꯥꯅꯨꯄꯥꯁꯤꯡꯒ ꯈꯪꯅꯕ ꯉꯃꯗꯦ ꯅꯠꯇ꯭ꯔꯒꯅ ꯄꯥꯝꯗꯦ ꯍꯥꯏꯗꯨꯅ ꯋꯥꯅ ꯂꯩꯕꯅ
ꯑꯌꯥꯝꯕꯅꯤ꯫ ꯗꯤ ꯍꯤꯟꯗꯨ ꯁꯛꯁꯦꯁꯟ ꯑꯦꯛꯠ, 1956 ꯍꯥꯏꯕꯁꯤꯅꯗꯤ
ꯍꯤꯟꯗꯨ ꯂꯥꯏꯅꯤꯡꯅ ꯀꯣꯟꯕ ꯂꯥꯏꯅꯤꯡ ꯆꯠꯄꯁꯤꯡꯒꯤ ꯅꯨꯄꯤꯁꯤꯡꯗ ꯃꯄ
ꯃꯄꯨꯒꯤ ꯂꯟ ꯊꯨꯝ ꯐꯪꯕꯒꯤ ꯃꯔꯝ ꯀꯌ ꯏꯗꯨꯅ ꯌꯥꯎꯔꯤ꯫ ꯑꯇꯣꯞꯄꯁꯤꯡꯒꯤ
ꯄꯨꯟꯅ ꯅꯩꯅꯔꯨꯗ꯭ꯔꯒꯁꯨ ꯂꯝꯗꯝꯁꯤꯡꯒꯤ ꯂꯥꯏꯅꯤꯡ ꯑꯁꯤꯅ ꯀꯣꯟꯕ
ꯏꯃꯨꯡꯒꯤ ꯅꯨꯄꯤꯁꯤꯡꯅ ꯈꯪꯃꯤꯟꯅꯕ ꯌꯥꯕ ꯈꯔꯗꯡ ꯌꯥꯝ ꯁꯝꯅ ꯈꯪꯃꯤꯟꯅꯕ
ꯌꯥꯏ꯫

ꯍꯥꯏꯔꯤꯕ ꯑꯦꯛꯠ ꯑꯁꯤꯅ ꯃꯄꯥ ꯃꯄꯨꯁꯤꯡꯅ ꯊꯝꯂꯝꯕ TISOM

ꯅꯠꯇ꯭ꯔ ꯂꯧ-ꯁꯤꯡ ꯑꯗꯨ ꯃꯄꯥ ꯃꯄꯨ ꯑꯗꯨꯅ ꯁꯤꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯆꯥ
ꯃꯁꯨꯁꯤꯡ ꯑꯗꯨꯅ ꯐꯪꯍꯧꯅꯤ ꯍꯥꯏꯗꯨꯅ ꯄꯤꯔꯤ꯫ ꯀꯅ ꯀꯅꯅ ꯀꯔꯝꯕ ꯀꯌ
ꯌꯥꯝꯅ ꯀꯟꯥꯗꯒꯤ WIWA ꯊꯣꯛꯏ ꯍꯥꯏꯕꯅꯆꯤꯡꯕ ꯁꯨꯒꯥꯏꯅ ꯇꯥꯛꯂꯤ꯫

ꯏꯍꯥꯟ ꯍꯥꯟꯕ ꯃꯄꯨꯙꯧꯅ ꯁꯤꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯄꯨꯙꯧ ꯑꯗꯨꯒꯤ ꯃꯆꯥꯅꯨꯄꯥꯁꯤꯡ
ꯃꯆꯥꯅꯨꯄꯤꯁꯤꯡ ꯑꯃꯗꯤ ꯃꯄꯨꯊꯧ ꯑꯗꯨꯒꯤ ꯃꯕꯦꯟꯙꯧ ꯑꯗꯨꯅ ꯁꯔꯨꯛ ꯆꯞ
ꯃꯥꯟꯅꯅ ꯐꯪꯍꯧꯒꯅꯤ꯫

ꯗꯨꯗꯒꯤ ꯃꯊꯧ ꯑꯗꯨꯅ ꯁꯤꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯥꯒꯤ ꯃꯆꯥꯅꯨꯄ, ꯃꯆꯥꯅꯨꯄꯤ
ꯑꯃꯗꯤ ꯃꯕꯦꯟ ꯑꯗꯨꯅ ꯆꯞ ꯃꯥꯅꯅꯅ ꯐꯪꯃꯤꯟꯅꯒꯅꯤ꯫ ꯃꯄꯥꯗꯨꯅꯥ (ꯃꯊꯧꯒꯤ
ꯃꯆꯨꯥꯅꯨꯄ) ꯁꯤꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯆꯤꯟ ꯃꯅꯥꯎ ꯑꯃꯗꯤ ꯃꯃꯥ (ꯃꯄꯥꯒꯤ ꯅꯨꯄꯤ)
ꯅ ꯃꯥꯟꯅꯕ ꯐꯪꯍꯧꯒꯅꯤ꯫

ꯑꯦꯛꯊ ꯑꯁꯤꯒꯤ ꯃꯈꯥꯗ ꯃꯃꯥ ꯃꯕꯦꯟꯒꯤ ꯃꯥꯏꯀꯩꯗꯒꯤꯁꯨ ꯃꯆꯥ
ꯃꯁꯨꯁꯤꯡ ꯃꯊꯪ ꯃꯊꯪ ꯐꯪꯒꯅꯤ꯫ ꯃꯕꯦꯟ ꯑꯗꯨꯅ ꯁꯤꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯕꯦꯟ
ꯑꯗꯨꯒꯤ ꯃꯆꯥꯅꯨꯄꯤ ꯑꯃꯗꯤ ꯃꯆꯥꯅꯨꯄꯥꯁꯤꯡꯅ ꯃꯊꯪ ꯃꯊꯪ ꯐꯪꯒꯅꯤ꯫

ꯃꯆꯥꯅꯨꯄꯤ ꯑꯗꯨꯅ ꯃꯌꯨꯝ ꯄꯥꯜꯂꯕ ꯃꯇꯝꯗ ꯃꯃꯥꯗꯒꯤ ꯐꯪꯍꯧꯕ TISO, ꯂꯧ
ꯑꯗꯨ ꯃꯃꯥ ꯁꯤꯔꯕ ꯃꯇꯨꯡꯗꯅ ꯃꯍꯥꯛꯀꯤ ꯃꯄꯨꯔꯣꯏꯕ, ꯃꯆꯥꯅꯨꯄꯤ ꯑꯃꯗꯤ
ꯃꯆꯥꯅꯨꯄꯥꯅ ꯐꯣꯒꯅꯤ꯫ ꯍꯥꯏꯖꯔꯤꯕ ꯈꯔ ꯑꯁꯤ ꯑꯦꯛꯇ ꯑꯁꯤꯗ ꯄꯟꯕ
ꯁꯔꯨꯛ ꯃꯆꯦꯠ ꯑꯃꯠꯇꯡꯅꯤ꯫ ꯂꯧ ꯏꯪꯈꯣꯜꯒꯤ ꯁꯔꯨꯛ ꯃꯃꯥꯡꯔꯣꯝꯗꯒꯤ
ꯑꯃꯗꯤ ꯃꯄꯥꯔꯣꯝꯗꯒꯤ ꯐꯪꯒꯗꯕ ꯑꯍꯥꯟꯕꯒꯤ ꯃꯤꯁꯛ ꯈꯔꯗꯪꯒꯤ ꯈꯨꯗꯝ

[Ote ꯄꯤꯖꯕꯅꯤ꯫ ꯑꯍꯥꯟꯕ ꯐꯪꯒꯗꯕꯁꯤꯡ ꯑꯁꯤꯗꯁꯨ ꯅꯨꯄꯤ ꯍꯥꯏꯕꯗꯨ \

ꯥꯎꯔꯕꯗꯤ ꯃꯈꯣꯌꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨꯃꯛ WIWA ꯊꯣꯛꯏ ꯍꯥꯏꯕꯗꯨ ꯁꯝꯂꯞꯅ
ꯎꯠꯆꯕꯅꯤ꯫ ꯑꯦꯛꯇ ꯑꯁꯤꯗ ꯑꯍꯥꯟꯕ, ꯑꯅꯤꯁꯨꯕ, ꯑꯍꯨꯝꯁꯨꯕ ꯍꯥꯏꯅ
ꯃꯊꯪ ꯃꯊꯪ ꯂꯧ TOSOM ꯁꯔꯨꯛ ꯐꯪꯒꯗꯕ ꯃꯤꯁꯛꯁꯤꯡꯒꯤ ꯃꯈ ꯑꯃꯗꯤ
ꯃꯈꯣꯏ ꯃꯈꯣꯏꯅ ꯐꯣꯒꯗꯕ ꯁꯔꯨꯛ ꯌꯥꯝꯅ ꯀꯨꯞꯅ ꯌꯥꯎꯔꯤ꯫ ꯀꯥꯔꯤꯒꯨꯝꯕ
ꯋꯥꯌꯦꯜ ꯂꯣꯏꯁꯪ ꯀꯥꯗꯕ ꯌꯥꯗ꯭ꯔꯕ ꯃꯇꯥꯡꯗꯗꯤ ꯑꯗꯣꯝ ꯑꯗꯣꯝ ꯄꯥꯝꯕꯤꯕ
ꯂꯝ ꯑꯁꯤꯒ ꯆꯥꯟꯕ ꯑꯥꯏꯟ ꯁꯨꯔꯤꯕ ꯃꯤꯑꯣꯏ ꯑꯗꯨꯒ ꯇꯥꯟꯅꯕꯤꯌꯨ꯫

ꯍꯥꯏꯖꯔꯤꯕ ꯈꯔ ꯑꯁꯤꯗꯤ ꯅꯨꯄꯤꯁꯤꯡꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨ ꯑꯗꯨꯃꯛ

WIWA ꯊꯣꯛꯏ ꯍꯥꯏꯕ ꯑꯗꯨꯗꯃꯛ ꯈꯪꯃꯤꯟꯅꯅꯕ ꯈꯨꯗꯝ ꯃꯆꯦꯠ ꯑꯃꯇꯡ
ꯄꯤꯖꯕꯅꯤ꯫

ꯍꯥꯏꯖꯔꯤꯕ ꯈꯔ ꯑꯁꯤꯗꯒꯤ ꯈꯪꯃꯤꯟꯅꯕ ꯌꯥꯕꯗꯤ ꯑꯥꯏꯟ ꯍꯥꯏꯕ
ꯑꯁꯤꯅꯗꯤ ꯅꯨꯄꯤꯁꯨ ꯅꯨꯄꯥꯁꯨ ꯃꯥꯟꯅꯕ ꯃꯤꯠꯌꯦꯡꯗ ꯌꯦꯡꯅꯕ ꯍꯣꯅꯕꯒꯇꯤ
ꯃꯁꯛ ꯑꯗꯨꯅꯤ꯫ ꯥꯑꯗꯨꯅꯗꯤ ꯂꯧꯁꯤꯡ ꯇꯥꯍꯧꯗꯕꯗꯒꯤ ꯀꯔꯤꯒꯨꯝꯕ \

ꯦꯠꯅꯔꯛꯄ ꯃꯇꯝꯗ ꯋꯥꯌꯦꯜ ꯂꯣꯏꯁꯪ ꯌꯧꯔꯕꯗꯤ ꯂꯨꯈ꯭ꯔꯥꯕꯤ ꯑꯣꯏꯒꯦꯔ,
ꯂꯨꯍꯣꯡꯗꯕꯤ ꯑꯣꯏꯒꯦꯔ, ꯅꯥꯃꯥ ꯁꯣꯏꯕꯤ ꯑꯣꯏꯒꯦꯔ, ꯄꯤꯛꯇ ꯄꯤꯛꯂꯤꯕ
ꯑꯣꯏꯒꯦꯔ ꯃꯈꯣꯏꯒꯤ WIWA ꯊꯣꯛꯄ ꯑꯗꯨ ꯁꯣꯏꯗꯅ ꯐꯪꯒꯅꯤ ꯫ ꯑꯦꯛꯇ
ꯑꯁꯤꯒꯤ ꯃꯈꯥꯗ ꯐꯪꯕ ꯌꯥꯕ ꯃꯁꯥ ꯃꯁꯥꯒꯤ ꯁꯔꯨꯛ ꯑꯗꯨ ꯃꯁꯥ ꯃꯁꯥꯅ
ꯁꯤꯖꯤꯟꯅꯅꯤꯡꯕ ꯃꯑꯣꯡꯗ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯍꯛ ꯂꯩ꯫

ꯑꯔꯣꯏꯕꯗ, ꯈꯪꯃꯤꯟꯅꯕ ꯌꯥꯕꯗꯤ ꯑꯥꯏꯟ ꯍꯥꯏꯕ ꯑꯁꯤꯅꯗꯤ ꯑꯐꯕ,
ꯅꯨꯡꯁꯤ ꯆꯥꯟꯅꯅ ꯂꯩꯃꯤꯟꯅꯕ ꯏꯝꯨꯡ ꯅꯠꯇ꯭ꯔꯒ ꯈꯨꯟꯅꯥꯏ ꯑꯃ ꯑꯣꯏꯅꯕ
ꯃꯇꯝ ꯄꯨꯝꯅꯃꯛꯇ ꯍꯣꯠꯅꯩ꯫ ꯑꯗꯨꯕꯨ ꯑꯥꯏꯟ ꯁꯤꯖꯤꯟꯅꯗꯕꯗꯤ ꯃꯤꯑꯣꯏꯕ
ꯑꯩꯈꯣꯏꯅꯤ꯫ ꯃꯤꯑꯣꯏꯕꯒ ꯌꯥꯏꯐꯅꯕꯒꯤꯗꯃꯛ ag[Otq ꯍꯤꯡꯕꯗ
ꯃꯔꯤ ꯂꯩꯅꯕ ꯍꯤꯔꯝ ꯈꯨꯗꯤꯡꯒꯤ ꯑꯥꯏꯟ ꯁꯦꯝꯗꯨꯅ FAT! ꯃꯇꯝꯒꯤ
ꯌꯥꯑꯣꯜ ꯃꯇꯨꯡ ꯏꯅꯅ ꯀꯔꯤꯒꯨꯃꯕ ꯑꯍꯣꯡꯕ ꯂꯥꯛꯂꯕꯁꯨ ꯍꯥꯏꯕꯗꯤ ꯍꯥꯟꯅ
ꯂꯩꯔꯝꯕ ꯑꯥꯏꯟ ꯑꯗꯨꯗ ꯁꯦꯝꯗꯣꯛ ꯁꯦꯝꯖꯤꯟ ꯇꯧꯗꯨꯅ ꯃꯇꯝ ꯑꯗꯨꯒ
ꯆꯥꯟꯅꯅꯕ ꯍꯣꯠꯅꯩ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯑꯐꯕ ꯈꯨꯟꯅꯥꯏꯔ ꯑꯃ ꯇꯨꯡꯒꯤ
ꯃꯤꯔꯣꯜꯒꯤꯗꯃꯛ ꯁꯦꯝꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯑꯥꯏꯟꯅ ꯉꯥꯛꯂꯧ ꯑꯣꯏ꯫ ꯑꯩꯈꯣꯏ
ꯈꯨꯗꯤꯡꯃꯛꯅ ꯑꯥꯏꯟ ꯉꯥꯛꯅꯒ ꯂꯣꯏꯅꯅ ꯅꯨꯡꯁꯤ ꯆꯟꯅꯅ ꯂꯩꯃꯤꯟꯅꯕ
ꯆꯪꯏ꯫ ꯍꯥꯏꯕꯗꯤ ꯑꯥꯏꯟꯅ ꯄꯤꯔꯤꯕ ꯍꯛ ꯑꯗꯨ ꯃꯐꯝ ꯃꯇꯝ ꯌꯦꯡꯗꯅ
ꯇꯥꯟꯅꯕ ꯍꯣꯠꯅꯔꯒꯗꯤ ꯅꯨꯡꯁꯤ ꯆꯥꯟꯅꯕ ꯍꯥꯏꯕꯗꯨ ꯃꯥꯡꯈꯤꯕ ꯌꯥꯏ꯫

ꯑꯁꯤꯒꯨꯝꯕ ꯃꯇꯝꯗꯗꯤ ꯏꯁꯥ ꯏꯁꯥꯒꯤ ꯏꯊꯧ ꯑꯃꯗꯤ ꯍꯛ ꯍꯥꯏꯕꯁꯤ
ꯄꯨꯟꯅ ꯆꯠꯃꯤꯟꯅꯕ ꯇꯉꯥꯏꯐꯗꯦ꯫

ꯆꯣꯡꯊꯥꯝ ꯅꯟꯗ ꯗꯦꯕꯤ
ꯁꯦꯟꯗꯣꯡ ꯂꯩꯅ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯊꯥꯕ
ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯃꯤꯌꯥꯝꯅ ꯄꯥꯝꯅꯕ ꯑꯦꯟꯁꯥꯡ ꯃꯈꯜꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ
ꯑꯃꯅꯤ꯫ ꯃꯅꯤꯄꯨꯔꯗ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯁꯥꯒ ꯑꯣꯏꯅ, ꯈꯔ ꯀꯪꯅ ꯉꯧꯔꯒ,
ꯉꯥꯜꯂꯕ ꯃꯇꯨꯡ ꯀꯪꯅ ꯃꯦꯠꯇꯨꯅ, ꯏꯔꯣꯟꯕ ꯑꯣꯏꯅ, ꯕꯣꯔꯥ ꯑꯍꯧꯗꯨꯅ
ꯑꯃꯗꯤ ꯆꯝꯅ ꯉꯥꯅꯗꯨꯅ ꯆꯥꯟꯕ ꯑꯦꯟꯁꯥꯡ ꯑꯈꯜꯅꯤ꯫ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯒ꯭-

ꯔꯥꯝ 100 ꯗ ꯌꯥꯎꯕ ꯃꯔꯨ ꯑꯣꯏꯕ ꯆꯤꯟꯖꯥꯛꯀꯤ ꯃꯆꯟ ꯈꯔ ꯊꯝꯖꯒꯦ꯫

ꯆꯅꯥꯡ (ꯀꯥꯔꯕꯣꯍꯥꯏꯗ꯭ꯔꯦꯠ)- ꯒ꯭ꯔꯥꯝ 6.4 ꯄ꯭ꯔꯣꯇꯤꯟ ꯒ꯭ꯔꯥꯝ 1.9,
ꯐꯦꯠ ꯒ꯭ꯔꯥꯝ 0.2, ꯄꯣꯇꯥꯁꯤꯌꯝ ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 103, ꯀꯦꯜꯁꯤꯌꯝ ꯃꯤ-

ꯂꯒ꯭ꯔꯥꯝ 66. ꯐꯣꯁꯐꯔꯁ ꯃꯤꯂꯤꯒ꯭ꯔꯦꯥꯝ 56, ꯃꯦꯒꯅꯤꯁꯝ ꯃꯤꯂꯤꯒ꯭-

ꯔꯥꯝ 43, ꯁꯣꯗꯤꯌꯝ ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 66, ꯐꯣꯁꯐꯔꯁ ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 56,
ꯃꯦꯒꯅꯤꯁꯝ ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 43, ꯁꯣꯇꯤꯌꯟꯃ ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ ꯛ6.9 \

ꯥꯎꯏ꯫ ꯍꯥꯏꯕꯗꯤ ꯆꯥꯕꯗ ꯍꯥꯎꯕꯗ ꯅꯠꯇꯅ ꯍꯛꯆꯥꯡꯗ ꯀꯥꯟꯅꯕ ꯃꯆꯜ
ꯀꯌ ꯌꯥꯎꯔꯤ ꯍꯥꯏꯔꯅꯤ꯫ ꯂꯣꯏꯅꯅ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯊꯥꯕꯗ ꯁꯦꯟꯗꯣꯡ
ꯅꯤꯡꯊꯤꯅ ꯐꯪꯕ ꯉꯝꯃꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯊꯥꯕꯒꯤ ꯃꯔꯝꯗ
ꯈꯔ ꯈꯪꯖꯤꯟꯃꯤꯟꯅꯕ ꯀꯥꯟꯅꯒꯅꯤ ꯈꯜꯂꯤ꯫

ꯃꯈꯜ:

ꯑꯐꯕ ꯃꯈꯜ ꯀꯌ ꯑꯃ ꯃꯃꯥꯡꯉꯩꯗꯒꯤ ꯂꯩꯔꯏ ꯑꯗꯨꯕꯨ ꯃꯅꯤꯄꯨ-

ꯔꯗ ꯃꯔꯨ ꯃꯔꯥꯡ ꯌꯣꯟꯕꯤꯔꯤꯕꯁꯤꯡꯅ ꯍꯧꯖꯤꯛꯇꯤ ꯑꯅꯧꯕ ꯃꯈꯜ ꯀꯌ
ꯃꯥ ꯃꯄꯥꯟꯗꯒꯤ ꯄꯨꯁꯤꯜꯂꯛꯇꯨꯅ ꯃꯅꯤꯄꯨꯔꯗ ꯃꯥꯏ ꯄꯥꯛꯅ ꯊꯥꯅꯔꯦ꯫

ꯃꯅꯤꯄꯨꯔꯗꯗꯤ ꯃꯔꯨ ꯑꯣꯏꯅ ꯑꯐꯕ ꯀꯝꯄꯦꯅꯤ ꯀꯌꯥꯅ ꯄꯨꯊꯣꯛꯄ
ꯃꯈꯜꯅ ꯑꯌꯥꯝꯕ ꯑꯣꯏꯅ ꯇꯧꯔꯦ꯫ ꯃꯈꯣꯏꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯃꯔꯨꯒꯤ
ꯃꯃꯜ ꯈꯔ ꯇꯥꯡꯖꯔꯒꯁꯨ ꯐꯠꯇꯦ ꯍꯥꯏꯕꯗꯤ ꯌꯥꯔꯣꯏ꯫ ꯃꯈꯜ ꯈꯔ
ꯊꯝꯖꯒꯦ- ꯑꯔꯀꯥ ꯑꯅꯥꯃꯤꯀ, ꯌꯨ ꯑꯦꯁ 7902, ꯚꯤꯟꯗꯤ ꯅꯝꯕꯔ 1.

ꯕꯁꯟꯇꯤ ꯄꯟꯕ ꯌꯥꯕ ꯆꯥꯊꯣꯛ ꯂꯩꯕ ꯍꯥꯏꯕ꯭ꯔꯤꯗ ꯃꯈꯜꯅ ꯑꯌꯥꯝꯕꯅꯤ꯫

ꯑꯔꯀꯥ ꯑꯅꯥꯃꯤꯀꯥ ꯍꯥꯏꯔꯕ꯭ꯔꯤꯗ ꯅꯠꯇꯦ ꯑꯗꯨꯕꯨ ꯌꯥꯝꯅꯗꯤ ꯐꯕ ꯃꯈ-

ꯜꯅꯤ꯫ ꯄꯪꯖꯔꯤꯕ ꯚꯦꯂꯟꯗꯊꯔꯤꯁꯤꯡ ꯑꯁꯤ ꯂꯣꯏꯅꯃꯛ ꯄꯥꯝꯕꯤꯅ
ꯅꯦꯝꯂꯤꯉꯩ ꯃꯇꯝ ꯍꯥꯏꯕꯗꯤ ꯃꯅꯥ ꯑꯍꯨꯝ ꯃꯔꯤ ꯁꯨꯕꯗꯒꯤ ꯄꯥꯟꯕ
ꯍꯧꯔꯗꯨꯅ ꯄꯥꯝꯕꯤ ꯑꯃꯗ ꯃꯍꯩ 25-30 ꯍꯦꯟꯅ ꯄꯥꯟꯕ ꯉꯥꯛꯇꯅꯤ꯫

ꯃꯁꯥ-ꯃꯔꯦꯡ ꯀꯌ ꯂꯣꯡꯒꯟꯗꯦ, ꯃꯍꯩꯒꯤ ꯃꯆꯨ ꯑꯁꯡꯕ ꯑꯣꯏꯅ
ꯇꯧꯏ꯫ ꯄꯥꯝꯕꯤꯅ ꯂꯤꯁꯤꯜꯂꯛꯕ ꯃꯇꯝꯗ ꯃꯈꯣꯡꯗ ꯃꯁꯥ ꯃꯆꯥ ꯑꯅꯤ
ꯑꯍꯨꯝ ꯂꯣꯡꯊꯣꯔꯛꯄ ꯊꯦꯡꯅꯒꯅꯤ꯫ ꯂꯣꯡꯂꯛꯄ ꯃꯁꯥꯁꯤꯡꯗꯁꯨ
ꯑꯗꯨꯃꯛ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯄꯥꯟꯕ ꯊꯦꯡꯅꯒꯅꯤ꯫ ꯄꯟꯖꯔꯤꯕ ꯃꯈꯜꯁꯤꯡ
ꯑꯁꯤ ꯄꯥꯝꯕꯤ ꯈ꯭ꯋꯡꯏꯗꯒꯤ ꯁꯥꯠꯊꯤ ꯍꯥꯏꯅ ꯂꯧꯅꯔꯕꯤ ꯚꯥꯏꯔꯁꯀꯤ
ꯌꯥꯏꯅ

YVMV (Yellow vein mosaic) fkxEq aSMK-

gieg!

ꯑꯏꯪ ꯑꯁꯥ:

ꯚꯦꯂꯟꯗ꯭ꯔꯤꯒꯤ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯥꯟꯅꯕ ꯑꯏꯪ ꯑꯁꯥꯗꯤ 250 ꯁꯤ

- 300 ꯁꯤꯅꯤ꯫ ꯀꯥ ꯍꯦꯟꯅ ꯏꯪꯕ ꯄꯛꯅꯗꯦ꯫ ꯀꯥ ꯍꯦꯟꯅ ꯁꯥꯔꯕꯁꯨ
ꯄꯛꯅꯗꯦ꯫

ꯊꯥꯕꯒꯤ ꯃꯇꯝ:

ꯃꯅꯤꯄꯨꯔꯗ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯑꯁꯤ ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤꯗꯒꯤꯅ ꯑꯄ꯭ꯔꯤꯜ
ꯐꯥꯎꯕ ꯑꯗꯨꯃꯛ ꯊꯥꯕ ꯌꯥꯏ꯫ ꯈꯔ ꯉꯟꯅ ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ ꯊꯥꯗ ꯅꯤꯡꯊꯤꯅ
ꯍꯧꯍꯟꯕ ꯉꯝꯂꯕꯗꯤ ꯑꯇꯥꯡꯕ ꯅꯪꯏ꯫ ꯃꯔꯃꯗꯤ ꯑꯌꯥꯝꯕꯅ ꯊꯥ ꯑꯁꯤꯗ
ꯃꯥꯏ ꯄꯥꯛꯅ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯃꯇꯣꯟ ꯆꯣꯡꯍꯟꯗꯨꯅ ꯍꯧꯍꯟꯕꯗ ꯈꯔꯥ ꯋꯥꯏ,
ꯈꯨꯠ ꯈꯔꯥ ꯆꯪꯏ꯫

ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎ:

ꯚꯦꯂꯟꯗ꯭ꯔꯗꯤ ꯂꯩꯉꯣꯏ ꯑꯃꯁꯨꯡ ꯑꯀꯟꯕ ꯂꯩꯇꯥꯟ ꯂꯝꯗ
ꯄꯛꯅꯗꯦ꯫ ꯐꯣꯂꯤ ꯇꯥꯕ ꯑꯣꯔꯒꯥꯅꯤꯛ ꯃꯦꯇꯔ ꯌꯥꯝꯅ ꯌꯥꯎꯕ ꯂꯨꯝ
ꯑꯃꯁꯨꯡ ꯏꯁꯤꯡ ꯅꯤꯡꯊꯠꯅ ꯆꯤꯊꯣꯛ ꯆꯤꯁꯤꯟ ꯌꯥꯕ ꯍꯥꯏꯕꯗꯤ
ꯏꯁꯤꯡ ꯇꯨꯡꯒꯟꯗꯕ ꯃꯐꯝꯗꯅ ꯈꯔꯥ ꯍꯦꯟ ꯄꯛꯅꯩ꯫ ꯑꯁꯤꯅ ꯑꯌ
ꯥꯛꯇꯤ

PH 6-6.8 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯂꯩꯕꯅ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯦꯟꯅꯩ꯫

ꯑꯔꯟ ꯑꯀꯨꯡ:

ꯃꯅꯤꯄꯨꯔꯒꯤ ꯑꯣꯏꯅꯗꯤ ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ ꯊꯥꯗ ꯊꯥꯕꯗ ꯈꯔ ꯀꯨꯡꯁ-

ꯤꯟꯕ ꯐꯩ ꯑꯗꯨꯒ ꯑꯦꯄ꯭ꯔꯤꯜꯗ ꯊꯥꯔꯒꯅ ꯈꯔꯥ ꯂꯟꯊꯣꯛꯄ ꯐꯩ꯫ ꯃꯔꯝꯗꯤ
ꯑꯦꯄ꯭ꯔꯤꯜꯗ ꯊꯥꯕ ꯃꯇꯝꯗ ꯀꯨꯝꯒꯤ ꯅꯣꯡ ꯈꯔ ꯅꯪꯕ ꯌꯥꯏ, ꯅꯣꯡ ꯅꯪꯂꯕꯗꯤ
ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯈ ꯋꯥꯡꯒꯜꯂꯤ꯫ ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤꯗ ꯊꯥꯕꯒꯤꯗꯃꯛ ꯄꯔꯦꯡꯒ
ꯄꯔꯦꯡꯒ ꯐꯨꯠ ꯑꯃ ꯃꯈꯥꯏ, ꯄꯔꯦꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯥꯝꯕꯤꯒ ꯄꯥꯝꯕꯤꯒ
ꯐꯨꯠꯈꯥꯏ ꯑꯃ ꯑꯣꯏꯍꯟꯕ ꯆꯞ ꯆꯥꯔꯦ꯫ ꯑꯦꯄ꯭ꯔꯤꯜꯗ ꯊꯥꯒꯦ ꯍꯥꯏ-

ꯔꯕꯗꯤ ꯄꯔꯦꯡꯒ ꯄꯔꯦꯡꯒ ꯐꯨꯠ ꯑꯅꯤ ꯑꯗꯨꯒ ꯄꯥꯝꯕꯤꯒ ꯄꯥꯝꯕꯤꯒ
ꯏꯟꯆꯤ ꯇꯔꯥꯗꯒꯤ ꯐꯨꯠ ꯑꯃ ꯐꯥꯎꯕ ꯂꯥꯜꯍꯟꯕ ꯐꯩ꯫

ꯐꯩꯗꯣꯝ ꯁꯦꯝꯕ:

ꯐꯩꯗꯣꯛꯁꯤꯡ ꯈꯥ-ꯋꯥꯡ ꯑꯣꯏꯅ ꯂꯩꯍꯟꯁꯤ, ꯐꯩꯗꯣꯝ ꯑꯃꯗ ꯄꯔꯦꯡ
ꯑꯅꯤ ꯊꯥꯕ ꯌꯥꯅꯕ ꯁꯦꯝꯕꯅ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯐꯩ ꯃꯔꯝꯗꯤ ꯃꯁꯤꯅ ꯚꯦꯂꯟꯗ꯭-

ꯔꯤ ꯍꯦꯛꯄꯗ ꯈꯨꯠꯂꯣꯏꯕꯒ ꯂꯣꯏꯅꯅ ꯄꯥꯝꯕꯤ ꯁꯦꯝꯕꯤ ꯁꯥꯕꯤꯕ,
ꯃꯈꯣꯡ ꯁꯣꯝꯕꯅꯆꯤꯡꯕꯗ ꯅꯨꯡꯉꯥꯏꯕ ꯍꯦꯜꯂꯤ꯫ ꯐꯩꯗꯣꯝꯒꯤ ꯑꯄꯥꯛꯄ
ꯑꯁꯤ ꯑꯔꯟꯕ ꯀꯥꯡꯕꯨꯒꯤꯅ ꯃꯇꯍꯥꯏꯒꯤ ꯃꯇꯥꯏꯐꯥꯎꯕ ꯐꯨꯠ ꯃꯔꯤ
ꯑꯗꯨꯒ ꯑꯀꯨꯡꯕ ꯀꯥꯪꯕꯨꯒꯤꯅ ꯐꯨꯠ ꯑꯍꯨꯝ ꯑꯣꯏꯍꯟꯁꯤ꯫ ꯐꯩꯗꯣꯝꯒꯤ
ꯃꯔꯛꯇ ꯐꯨꯠ ꯑꯃꯒꯤ ꯆꯨꯔꯤ ꯐꯨꯠꯈꯥꯏ ꯑꯃ ꯂꯨꯅ ꯊꯝꯁꯤ꯫

ꯃꯔꯨꯒꯤ ꯆꯥꯡ:

ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ ꯊꯥꯗ ꯊꯥꯔꯕꯗꯤ ꯁꯉꯝꯗ ꯀꯤꯂꯣ ꯃꯉꯥꯃꯨꯛ ꯑꯗꯨꯒ
ꯑꯦꯄ꯭ꯔꯤꯜꯗ ꯊꯥꯔꯒꯅ ꯀꯤꯂꯣ ꯑꯍꯨꯝ ꯝꯈꯥꯌꯃꯨꯛ ꯆꯪꯒꯅꯤ꯫

ꯃꯔꯨꯗ ꯍꯤꯗꯥꯛ ꯇꯣꯠꯄ:

ꯄꯣꯠ ꯈꯨꯗꯤꯡꯃꯛ ꯊꯥꯔꯝꯗꯥꯏꯗ ꯃꯔꯨꯗ ꯍꯤꯗꯥꯛ ꯇꯣꯠꯄ ꯀꯥꯎꯕꯤ-

ꯔꯣꯏꯗꯕꯅꯤ꯫ ꯃꯔꯨ ꯀꯤꯂꯣ ꯑꯃꯗ ꯁꯥꯐꯔ ꯒ꯭ꯔꯥꯝ ꯑꯅꯤ ꯃꯨꯠ ꯇꯔꯥꯅ
ꯀꯪꯅ ꯇꯣꯠꯄꯤꯌꯨ꯫ ꯅꯠꯇ꯭ꯔꯒ ꯀꯦꯞꯇꯦꯟ ꯑꯣꯏꯔꯕꯁꯨ ꯆꯞ ꯃꯥꯟꯅꯕ
ꯆꯥꯡꯗ ꯇꯣꯠꯁꯤ꯫ ꯕꯥꯏꯑꯣꯒꯤ [Otjxe ꯇ꯭ꯔꯤꯀꯣꯗꯔꯃꯥ ꯌꯥꯎꯕ
ꯍꯤꯗꯛ ꯃꯔꯨ ꯀꯤꯂꯣ ꯑꯃꯗ ꯒ꯭ꯔꯥꯝ 7-8 ꯇꯣꯠꯄꯤꯒꯅꯤ꯫ ꯕꯥꯏꯑꯣꯒ
ꯔꯁꯥꯌꯟꯒ ꯀꯩꯗꯧꯅꯨꯡꯗ ꯄꯨꯟꯅ ꯇꯣꯠꯄ ꯌꯥꯗꯦ ꯑꯃ ꯅꯠꯇ꯭ꯔꯒ ꯑꯃ
ꯁꯤꯖꯤꯟꯅꯒꯅꯤ꯫

ꯊꯥꯕꯥ:

ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯃꯔꯨ ꯑꯍꯤꯡ ꯑꯃ ꯏꯁꯤꯡꯗ ꯇꯤꯡꯊꯣꯛꯂꯒ ꯊꯝꯕꯅ
ꯈꯨꯠꯂꯩ ꯊꯨꯅ ꯍꯧꯕ ꯍꯦꯜꯂꯤ ꯑꯗꯨꯕꯨ ꯏꯁꯤꯡ ꯋꯥꯠꯄ ꯃꯇꯝꯗ ꯏꯁꯤꯡ
ꯄꯤꯕ ꯉꯝꯂꯣꯏꯗꯕ ꯑꯪꯏꯔꯕꯗꯤ ꯇꯤꯡꯕꯤꯔꯣꯏꯗꯕꯅꯤ꯫ ꯊꯥꯔꯕ ꯃꯇ-

ꯨꯡꯗ ꯆꯨꯔꯤꯗꯥ ꯏꯁꯤꯡ ꯊꯥꯖꯤꯟꯕ ꯅꯠꯇ꯭ꯔꯒ ꯑꯇꯣꯞꯄ ꯃꯑꯣꯡꯗ
ꯏꯁꯤꯡ ꯆꯟꯕꯤꯕ ꯉꯝꯂꯕꯗꯤ ꯇꯤꯡꯊꯣꯛꯄꯅ SD_ktrxg ꯐꯩ꯫

ꯍꯥꯔ ꯍꯥꯞꯄ:

ꯁꯟꯊꯤ ꯁꯟꯌꯨꯡꯒꯤ ꯅꯠꯇ꯭ꯔꯒ ꯀꯝꯄꯣꯖꯤꯠꯀꯤ ꯍꯥꯔ ꯂꯩꯔꯕꯗꯤ

KZA ꯑꯃꯗ KE ꯒꯥꯔꯤ ꯃꯄꯣꯠ ꯑꯉꯥ-ꯇꯔꯨꯛ ꯍꯥꯞꯄꯤꯕ ꯐꯩ꯫ ꯊꯥꯒ-

ꯗꯕ ꯊꯥ ꯃꯈꯥꯏ ꯑꯃ ꯃꯥꯡꯖꯧꯅꯅ ꯈꯣꯏꯖꯤꯟꯕꯤꯍꯧꯕꯅ ꯈ꯭ꯋꯥꯏꯒꯤ ꯐꯩ꯫

ꯄꯥꯝꯕꯤ ꯌꯥꯝꯗꯅ ꯐꯩꯗꯣꯝ ꯈꯔꯥ ꯊꯥꯕꯒꯤ ꯑꯣꯏꯔꯕꯗꯤ ꯀꯥꯡꯈꯨꯜꯗ ꯍꯥꯏ-

ꯔꯤꯕ ꯍꯥꯔ ꯑꯁꯤ ꯈꯨꯖꯣꯛ ꯑꯆꯧꯕ ꯑꯃꯃꯃ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯔꯁꯥꯔꯌ
ꯟꯒꯤ ꯍꯥꯔꯗꯤ KZA ꯑꯃꯗ ꯌꯨꯔꯤꯌ ꯀꯤꯂꯣ 45-50, ꯑꯦꯁ ꯑꯦꯁ
ꯄꯤ ꯀꯤꯂꯣ 75-80, ꯑꯦꯝ ꯑꯣ ꯄꯤ ꯀꯤꯂꯣ 20-25 ꯐꯥꯎꯕ ꯍꯥꯞꯄ \

ꯥꯏ ꯫ ꯑꯔꯣꯏꯕ ꯈꯣꯏꯕꯗ ꯌꯨꯔꯤꯌ ꯁꯔꯨꯛ ꯑꯍꯨꯝ ꯊꯣꯛꯄꯒꯤ ꯑꯃꯛ
(ꯀꯤꯂꯣ 15-17) ꯑꯦꯁ ꯑꯦꯁ ꯄꯤ ꯑꯃꯁꯨꯡ ꯑꯦꯝ ꯑꯣ ꯄꯤ ꯄꯨꯟꯅ
ꯍꯥꯞꯇꯨꯅ ꯃꯃꯨꯠ ꯇꯥꯅ ꯈꯣꯏꯖꯤꯟꯕꯤꯍꯧꯒꯅꯤ꯫ ꯃꯄꯥꯟ ꯁꯥꯔꯝꯗꯥꯏꯗ ꯂꯦ-

ꯝꯍꯧꯔꯤꯕ ꯌꯨꯔꯤꯌꯥꯒꯤ ꯇꯪꯉꯥꯏ ꯑꯃ ꯑꯗꯨꯒ ꯑꯃꯨꯛ ꯊꯥ ꯃꯈꯥꯏ ꯑꯃ
ꯂꯩꯔꯒ ꯂꯦꯝꯍꯧꯔꯤꯕ ꯁꯔꯨꯛꯇꯨ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫

ꯏꯁꯤꯡ ꯆꯥꯏꯕ:

ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯏꯁꯤꯡ ꯇꯣꯏꯅ ꯆꯥꯏꯕꯤꯕ ꯐꯩ꯫ ꯍꯞꯇ ꯈꯨꯗꯤꯡꯒꯤ
ꯏꯁꯤꯡ ꯆꯥꯏꯕꯤꯔꯕꯗꯤ ꯆꯥꯊꯣꯛ ꯌꯥꯝꯅ ꯂꯩꯒꯅꯤ꯫ ꯏꯁꯤꯡ ꯆꯥꯏꯕꯒꯤ
ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯐꯕ, ꯏꯁꯤꯡ ꯌꯥꯝꯅ ꯆꯪꯗꯅ, ꯄꯥꯝꯕꯤꯗꯁꯨ ꯆꯞ ꯆꯥꯅ
ꯏꯁꯤꯡ ꯐꯪꯕ ꯉꯝꯕ ꯃꯑꯣꯡꯗ, ꯏꯁꯤꯡ ꯃꯥꯡꯍꯟꯗꯅ ꯏꯁꯤꯡ ꯆꯟꯕꯒꯤ
ꯃꯑꯣꯡꯗꯤ Sprinkler ꯁꯤꯖꯤꯟꯅꯕꯅꯤ꯫

Sprinkler ꯁꯤꯖꯤꯅꯅꯗꯨꯅ ꯏꯁꯤꯡ ꯆꯥꯏꯕ ꯍꯥꯏꯕꯁꯤꯗ ꯃꯤꯌ
ꯥꯝꯅ ꯁꯦꯜ ꯌꯥꯝꯅ ꯆꯪꯕ, ꯄꯥꯛ ꯍꯦꯛꯇ ꯉꯝꯂꯣꯏꯗꯕ ꯑꯣꯏꯅ ꯂꯧꯕꯤꯔꯝꯕ
ꯌꯥꯏ ꯃꯗꯨꯝꯛꯇꯤ ꯅꯠꯇꯦ꯫ ꯈꯪꯖꯤꯟꯕꯗ ꯀꯥꯟꯅꯒꯅ ꯈꯜꯂꯤ꯫ ꯏꯁꯤꯡꯒꯤ
ꯁꯣꯔꯁ ꯍꯥꯏꯕꯗꯤ ꯏꯁꯤꯡ ꯂꯧꯐꯝ ꯐꯨꯈ꯭ꯔꯤꯒꯨꯝꯕ ꯑꯃ ꯅꯠꯇ꯭ꯔꯒ
ꯑꯇꯣꯞꯄ ꯁꯣꯔꯁ ꯂꯩꯔꯕꯗꯤ ꯈꯨꯗꯣꯡ ꯆꯥꯕ ꯑꯁꯤ ꯂꯧꯍꯟꯖꯅꯤꯡꯏ꯫

ꯃꯤꯁꯒꯤꯗꯃꯛ 0.5 ꯍꯣꯔꯁ ꯄꯋꯔꯒꯤ ꯇꯨꯂꯨ ꯑꯃ ꯏꯂꯦꯛꯇ꯭-

ꯔꯤꯛꯀꯤ ꯈꯨꯗꯣꯡꯆꯥꯕ , Sprinkler nozzle (ꯃꯃꯜ ꯌꯥꯝꯅ
ꯇꯥꯡꯗꯦ)ꯑꯃ, ꯇꯨꯂꯨꯗꯨꯒ ꯆꯥꯟꯅꯕ ꯄꯥꯏꯞ ꯈꯔ, ꯄꯌꯥ ꯈꯔ, ꯌꯨꯡꯅꯅꯕ
ꯃꯆꯩ (ꯋꯥꯒꯤ ꯅꯠꯇ꯭ꯔꯒ ꯎꯒꯤ) ꯑꯃꯈꯛ ꯁꯤꯖꯤꯟꯅꯔꯒ ꯌꯥꯔꯦ꯫ ꯇꯨꯂꯨ
ꯄꯥꯟꯈꯠꯄꯤꯔꯣ, ꯄꯥꯏꯞ ꯁꯝꯕꯤꯔꯣ, ꯄꯥꯏꯞꯀꯤ ꯑꯔꯣꯏꯕ ꯃꯇꯣꯟꯗꯨ

Sprinkler nozle ꯗꯥ ꯍꯨꯛꯆꯤꯜꯂꯒ ꯔꯕꯔ ꯔꯕꯟꯅ ꯆꯦꯠꯅ
ꯄꯨꯟꯕꯤꯔꯣ, ꯃꯐꯝ ꯆꯥꯅ ꯌꯨꯡꯅꯅꯕ ꯃꯆꯩꯗꯨ ꯌꯨꯡꯂꯒ ꯅꯣꯖꯜꯒꯤ ꯃꯆꯩꯗꯨ
ꯎꯌꯨꯡꯗꯨꯒꯤ ꯑꯋꯥꯡꯕꯗꯒꯤ ꯅꯨꯖꯜ ꯃꯇꯣꯟꯗꯨꯅ ꯋꯥꯡꯅ ꯈꯔꯥ ꯍꯦꯟꯒꯠꯅ
ꯃꯨꯔꯠꯇꯤ ꯆꯨꯃꯅ ꯄꯨꯟꯕꯤꯔꯣ, ꯇꯨꯂꯨ ꯊꯥꯔꯣ, ꯑꯁꯨꯝꯅ ꯅꯨꯖꯜ ꯃꯇꯣꯟꯗꯒꯤ
ꯂꯩ ꯂꯩꯗꯨꯅ ꯁꯤꯟꯕ ꯊꯨꯡꯅ ꯆꯥꯏꯔꯛꯄ ꯏꯁꯤꯡꯅ ꯂꯩꯕꯥꯛ ꯆꯣꯠꯄꯒꯤ ꯆꯥꯡ
ꯌꯦꯡꯕꯤꯔꯣ, ꯃꯐꯝ ꯍꯣꯡ ꯍꯣꯡꯗꯨꯅ ꯂꯧꯐꯝ ꯁꯤꯟꯕ ꯊꯨꯡꯅ ꯏꯁꯤꯡ ꯆꯥ-

ꯏꯕꯤꯕꯌꯔꯦ꯫ ꯍꯥꯏꯔꯕ ꯃꯑꯣꯡ ꯑꯁꯤ ꯃꯔꯨ ꯍꯦꯛ ꯊꯥꯕꯗꯒꯤ ꯑꯗꯨꯃꯛ
ꯍꯧꯕꯤꯕ ꯌꯥꯔꯦ꯫

#$%& '()%")" *+,&"-./0,"1234&%,")567%0,"8'- ꯔꯛꯂꯤꯕ ꯏꯁꯤꯡꯒꯤ ꯆꯥꯡꯗꯒꯤ ꯂꯩꯕꯥꯛꯅ ꯏꯁꯤꯡꯗꯨꯕꯨ ꯆꯨꯞꯁꯤꯟꯕꯒꯤ
ꯆꯥꯡꯅ ꯍꯦꯟꯕ ꯑꯁꯤꯅꯤ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯀꯩꯗꯧꯅꯨꯡꯗ ꯑꯔꯦꯝꯕꯗ
ꯑꯍꯦꯟꯕ ꯏꯁꯤꯡ ꯆꯦꯟꯊꯣꯛꯇꯨꯅ ꯃꯥꯡꯗꯕ ꯑꯁꯤꯅꯤ꯫ ꯂꯩꯕꯥꯛ ꯌꯦꯁ-

ꯤꯟꯕꯒꯤ ꯆꯥꯡ ꯌꯥꯃꯅ ꯍꯩꯟꯊꯩ, ꯂꯩꯕꯥꯛ, ꯂꯩꯕꯥꯛ ꯆꯞ ꯆꯥꯅ ꯃꯑꯣꯡꯗ ꯆꯣ-

ꯠꯍꯟꯕ ꯉꯝꯃꯤ꯫

ꯅꯥꯄꯤꯒ ꯊꯥꯔꯤꯕ ꯄꯥꯝꯕꯤꯒ ꯃꯇꯝ ꯄꯨꯝꯅꯃꯛꯇ ꯀꯝꯄꯤꯇꯤꯁꯟ
ꯇꯧꯏ ꯍꯥꯏꯕꯁꯤ ꯃꯇꯝ ꯄꯨꯝꯅꯃꯛꯇ ꯀꯥꯎꯔꯤꯔꯣꯏꯗꯕꯗꯤ꯫ ꯃꯇꯝ
ꯄꯨꯃꯅꯃꯛꯇ ꯅꯥꯒꯤ ꯍꯧꯗꯅꯕ ꯃꯈꯣꯡ ꯁꯣꯝꯗꯣꯛꯄꯤꯒꯅꯤ꯫ ꯃꯁꯤꯅ
ꯄꯥꯝꯕꯤꯒꯤ ꯃꯔꯥꯗ ꯅꯨꯡꯁꯤꯠ ꯐꯪꯍꯟꯗꯨꯅ ꯄꯥꯝꯕꯤ ꯃꯁꯥ ꯐꯕꯁꯨ ꯍꯦꯜꯍꯜ-

ꯂꯤ꯫

ꯍꯥꯕꯦꯡꯕ: ꯅꯥꯄꯤꯒ ꯊꯥꯔꯤꯕ ꯄꯥꯝꯕꯤꯒ ꯃꯇꯝ ꯄꯨꯝꯅꯃꯛꯇ
ꯀꯝꯄꯤꯇꯤꯁꯟ ꯇꯧꯏ ꯍꯥꯏꯕꯁꯤ ꯃꯇꯝ ꯄꯨꯝꯅꯃꯛꯇ ꯀꯥꯎꯕꯤ-

ꯔꯣꯏꯗꯕꯅꯤ ꯫ ꯃꯇꯝ ꯄꯨꯝꯅꯃꯛꯇ ꯅꯥꯄꯤ ꯍꯧꯗꯅꯕ ꯃꯈꯣꯡ
ꯁꯣꯝꯗꯣꯛꯄꯤꯒꯅꯤ꯫ ꯃꯁꯤꯅ ꯄꯥꯝꯕꯤꯒꯤ ꯃꯔꯥꯗ ꯅꯨꯡꯁꯤꯠ ꯐꯪꯍꯟꯗꯨꯅ
ꯄꯥꯝꯕꯤ ꯃꯁꯥ ꯐꯕꯁꯨ ꯍꯦꯜꯍꯜꯂꯤ꯫

ꯂꯥꯏꯅ ꯇꯤꯟꯅ:

ꯚꯦꯂꯟꯗ꯭ꯔꯤꯒ ꯂꯥꯏꯅ ꯁꯟꯗꯣꯛꯄ ꯉꯝꯕ ꯃꯍꯤ ꯆꯨꯞꯄ ꯇꯤꯜ-

ꯁꯤꯡ ꯇꯥꯗꯨꯅ ꯃꯥꯡꯍꯟꯕ ꯌꯥꯏ ꯃꯈꯣꯏꯗꯒꯤ ꯑꯃꯗꯤ ꯑꯇꯩ ꯑꯇꯣꯞꯄ
ꯂꯥꯏꯅ ꯇꯤꯟꯅꯁꯤꯡꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯃꯤꯠꯀꯨꯞ ꯅꯥꯍꯨꯝ ꯁꯤꯅꯡ
ꯂꯩꯕꯤꯒꯅꯤ ꯂꯣꯏꯅꯅ ꯑꯈꯪ ꯑꯍꯩ ꯃꯇꯝ ꯆꯥꯅ ꯇꯥꯟꯅꯕꯤꯗꯨꯅ ꯃꯈꯣꯏꯗꯒꯤ
ꯀꯥꯟꯅꯕ ꯍꯣꯠꯅꯕꯒꯅꯤ꯫

ꯍꯦꯄ:

ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯍꯦꯛꯄ ꯈꯔ ꯂꯨꯏ꯫ ꯃꯄꯨꯡ ꯐꯥꯔꯕ ꯃꯍꯩ ꯑꯗꯨ ꯃꯇꯣꯟ
ꯄꯥꯏꯗꯨꯅꯥ ꯑꯅꯣꯄ ꯑꯅꯤꯡ ꯌꯦꯡꯕꯤꯒꯅꯤ, ꯈꯔ ꯅꯣꯞꯂꯤꯉꯍꯗ ꯍꯦꯛ-

ꯄꯤꯒꯅꯤ꯫ ꯅꯣꯡꯃ ꯅꯣꯡꯃ ꯀꯥꯜꯂꯒ ꯆꯦꯛ ꯇꯧꯔꯒ ꯍꯦꯛꯄꯤꯒꯅꯤ꯫

ꯑꯔꯤꯕ ꯌꯥꯎꯔꯝꯂꯁꯨ ꯍꯦꯛꯇꯍꯛꯄꯒꯅꯤ꯫ ꯑꯔꯤꯕ ꯊꯝꯕꯅ
ꯃꯈꯥ ꯇꯥꯅ ꯄꯥꯟꯕ ꯍꯟꯊꯒꯅꯤ꯫ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯃꯇꯨ ꯄꯥꯟꯕ ꯄꯥꯝꯕꯤ
ꯃꯈꯂꯅꯤ ꯃꯔꯝ ꯑꯁꯤꯅ ꯈꯔ ꯄꯥꯛ ꯁꯥꯟꯅ ꯊꯥꯗꯨꯅ ꯍꯣꯠꯅꯔꯕꯗꯤ
ꯍꯦꯛꯄ ꯃꯇꯝꯗ ꯈꯨꯤꯅ ꯍꯦꯛꯄꯒꯤ ꯃꯍꯨꯠꯇ ꯑꯊꯧꯕ ꯀꯥꯇꯤꯒꯨ-

ꯃꯕ ꯑꯃ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯍꯦꯛꯄꯤꯒꯅꯤ1 ꯍꯧꯖꯤꯛꯇꯤ ꯚꯦꯂꯟꯗ꯭ꯔꯤ
ꯃꯍꯨꯠꯇ ꯑꯊꯧꯕ ꯇꯥꯇꯤꯒꯨꯃ ꯑꯃ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯍꯦꯛꯄꯒꯅꯤ꯫

ꯍꯧꯖꯤꯛꯇꯤ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯈꯨꯠꯂꯥꯏꯁꯨ ꯊꯣꯛꯂꯦ, ꯑꯃ ꯑꯅꯤ ꯊꯝꯕꯤꯕ
ꯐꯩ꯫ ꯃꯁꯤꯅ ꯍꯦꯛꯄ ꯃꯇꯝꯗ ꯈꯨꯠꯇꯥ ꯥꯑꯀꯥꯏ ꯑꯇꯣꯏ ꯊꯣꯛꯍ-

ꯟꯕꯒꯤ ꯉꯥꯛꯊꯣꯛꯄ ꯉꯝꯒꯅꯤ꯫ ꯈꯨꯠꯇ ꯒ꯭ꯂꯣꯕ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ
ꯍꯦꯛꯄꯁꯨ ꯐꯩ꯫

ꯄꯣꯠꯊꯣꯛ:

ꯑꯌꯥꯝꯕ ꯚꯦꯂꯟꯗ꯭ꯔꯤꯒꯤ ꯑꯣꯏꯅ ꯁꯉꯝꯗ ꯀꯤꯂꯣ 1500 ꯗꯒꯤꯅ
1600 ꯐꯥꯎꯕ ꯊꯍ꯭ꯄ ꯉꯝꯃꯤ꯫

ꯃꯊꯛꯇ ꯊꯝꯖꯔꯤꯕ ꯋꯥꯐꯝꯁꯤꯡ ꯑꯁꯤ ꯈꯪꯅ ꯚꯦꯂꯟꯗ꯭ꯔꯤ ꯊꯥ-

ꯔꯕꯗꯤ ꯁꯣꯏꯗꯅ ꯁꯟꯗꯣꯡ ꯐꯪꯒꯅꯤ꯫

ꯑꯦꯁ ꯁꯨꯃꯪꯒꯣꯜ ꯁꯤꯡꯍ
ꯄꯥꯎꯈꯨꯝ ꯄꯤꯔꯤꯕ: ꯗ: ꯑꯦꯝ FOTFOT ꯁꯤꯡꯍ