IMPHAL, ꯜꯃꯧ 25, 2015, monday ꯏꯉꯥꯒꯤ 7 ꯅꯤ ꯄꯥꯟꯕ, ꯅꯤꯡꯊꯧꯀꯥꯕ, ꯃꯥꯂꯤꯌꯥ ꯀꯨꯝꯁꯤꯡ 3413 ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ 2 ꯈꯣꯔꯤꯂꯣꯜ HUEIYEN LANPAO

ꯀꯥꯂꯦꯟꯒꯤ ꯃꯇꯝꯗ ꯀꯔꯝꯅ ꯌꯦꯟ ꯁꯟꯅꯒꯅꯤ
ꯕꯩꯒ꯭ꯌꯥꯅꯤꯛ ꯑꯣꯏꯕ ꯁꯤꯡ ꯊꯥꯕ
ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯊꯥꯕ
ꯌꯥꯟꯒꯤ ꯃꯄꯥ ꯆꯥꯟꯅꯕꯒꯤꯕꯨ ꯑꯣꯏꯔꯣ, ꯃꯔꯨꯝ ꯆꯦꯟꯅꯕꯒꯤꯕꯨ ꯑꯣꯏꯔꯣ
ꯅꯠꯇ꯭ꯔꯒ ꯑꯅꯤꯃꯛ ꯐꯪꯅꯕ ꯂꯣꯏꯔꯤꯕ ꯌꯦꯟꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯄ꯭ꯔꯐꯣꯃꯦꯟꯁ
ꯑꯁꯤ ꯐꯦꯛꯇꯔ ꯑꯗꯤꯗ ꯗꯤꯄꯦꯟ ꯇꯧꯏ꯫ ꯃꯈꯣꯏ ꯑꯗꯨꯗꯤ
ꯀ) Genetic ꯍꯥꯏꯕꯗꯤ ꯍꯧꯔꯛꯐꯝ
ꯁ) Environment /ꯑꯀꯣꯏꯕꯒꯤ ꯐꯤꯚꯝ
ꯀꯥꯂꯦꯟꯒꯤ ꯃꯩꯁꯥꯁꯤꯁꯨ ꯌꯥꯝꯅ ꯃꯔꯨ ꯑꯣꯏꯕ ꯏꯟꯚꯥꯏꯔꯣꯟꯃꯦꯟꯇꯦꯜ
ꯐꯦꯛꯇꯔ ꯑꯃ ꯑꯣꯏꯕꯅ ꯌꯦꯟꯕꯨ ꯁꯤꯡꯅ ꯅꯤꯡꯊꯤꯅ ꯁꯦꯟꯅꯕꯤꯕ ꯗꯔꯀꯥꯔ ꯂꯩ꯫
ꯀꯥꯂꯦꯟꯒꯤ ꯃꯩꯁꯥꯅ ꯌꯦꯟꯗ ꯀꯔꯝꯕ ꯑꯀꯥꯏꯕ ꯄꯤꯕꯒꯦ?
1) ꯃꯆꯤꯟꯖꯥꯛ ꯆꯥꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯔꯛꯄ ꯑꯃꯗꯤ ꯏꯁꯤꯡ ꯊꯛꯄꯒꯤ
ꯆꯥꯡ ꯋꯥꯡꯈꯠꯂꯛꯄ
2) ꯊꯅꯅꯛ Conversion ꯑꯃꯗꯤ ꯌꯦꯟꯒꯤ ꯑꯔꯨꯝꯕ ꯍꯟꯊꯔꯛꯄ
3) ꯌꯦꯔꯨꯝ ꯀꯣꯛꯄꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯔꯛꯏ꯫
4) ꯌꯦꯔꯨꯝꯒꯤ ꯈꯡꯚꯅ ꯄꯤꯛꯊꯔꯛꯏ
5) ꯌꯦꯔꯨꯝ ꯃꯀꯨ ꯄꯥꯅ ꯑꯃꯗꯤ ꯌꯦꯔꯨꯝ ꯃꯛꯨ ꯀ꯭ꯔꯦꯛ ꯆꯠꯅ ꯀꯣꯛꯄꯁꯨ
ꯌꯥꯎꯔꯛꯏ꯫

6) ꯅꯨꯡꯁꯥ ꯁ꯭ꯋꯔ ꯊꯕꯦꯠ-ꯊꯕꯦꯠ ꯍꯣꯟꯂꯤ, Pulse rate ꯋꯥꯡꯍꯜꯂꯤ
7) ꯌꯦꯟꯗꯗꯤ ꯍꯨꯃꯥꯡ ꯊꯣꯛꯇꯕꯅꯤꯅ ꯃꯈꯣꯏꯒꯤ ꯃꯁꯥꯗ ꯁꯥꯒꯠꯂꯤꯕꯗꯨꯒꯤ
ꯃꯩꯁꯥꯗꯨ ꯄꯨꯊꯣꯛꯈꯤꯅꯕ ꯃꯌꯥ ꯀꯥꯊꯣꯛꯇꯨꯅ ꯁ꯭ꯋꯔ ꯊꯕꯦꯠ-ꯊꯕꯦꯠ ꯍꯣꯟꯗꯨꯅ
Lung fxg Moisture a\kA evaporate fyFOdoEMmg
8) ꯂꯥꯏꯅ ꯀꯌꯥꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯃꯄꯥꯡꯒꯜ ꯍꯟꯊꯔꯛꯏ
9) ꯄꯨꯡꯁꯣꯟ ꯁꯣꯟꯊꯕꯗꯒꯤ ꯃꯉꯛ ꯂꯨꯛꯊꯗꯨꯅ ꯁꯤꯕ ꯐꯥꯎꯕ ꯌꯥꯎꯏ꯫
ꯑꯀꯣꯏꯕꯒꯤ ꯐꯤꯚꯝꯒ ꯌꯦꯟꯒꯤ ꯃꯑꯣꯡ-ꯃꯇꯧꯒ ꯃꯥꯌꯣꯛꯅꯕ:
ꯀ) 65ꯦꯊ-80ꯦꯊ - ꯌꯦꯟꯅ ꯂꯩꯕꯗ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯥꯟꯅꯕ
ꯁ) 81ꯦꯊ- 85ꯦꯊ- ꯆꯥꯕꯒ ꯆꯥꯡ ꯍꯟꯊꯔꯛꯏ, ꯌꯦꯔꯨꯝ ꯀꯣꯛꯄ
ꯍꯟꯊꯔꯛꯏ ꯑꯃꯗꯤ ꯌꯦꯔꯨꯝꯒꯤ ꯃꯀꯨ ꯄꯥꯔꯛꯏ
ꯂ) 86ꯦꯊ- 95ꯦꯊ- ꯁꯥꯕꯒꯤ ꯆꯥꯡ 86ꯦꯊ ꯇꯒꯤ ꯗꯤꯒ꯭ꯔꯤ ꯑꯃꯃꯝ
ꯍꯦꯟꯒꯠꯄ ꯈꯨꯗꯤꯡꯒꯤ ꯆꯥꯕꯒꯤ ꯆꯥꯡꯁꯤ ꯆꯥꯗ 2-3 ꯐꯥꯎꯕ ꯍꯟꯊꯩ ꯃꯁꯤꯅ \
ꯦꯔꯨꯝꯒꯤ ꯁꯥꯏꯖ, ꯃꯀꯨ ꯄꯥꯔꯛꯄ ꯑꯃꯗꯤ ꯌꯦꯔꯨꯝ ꯀꯣꯛꯄꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯩ꯫
ꯃ) 96ꯦꯊ- 100ꯦꯊ - ꯃꯩꯁꯥꯁꯤ ꯁꯝꯅꯈꯤꯗꯨꯅ ꯃꯁꯥ ꯑꯅꯤꯃꯛ
ꯇꯤꯡꯊꯣꯛꯂꯒ ꯁꯣꯟꯊꯔꯛꯏ, ꯁꯇ꯭ꯔꯣꯛ ꯂꯥꯛꯇꯨꯅ ꯋꯥꯟꯊꯔꯛꯄ ꯌꯥꯎꯏ
ꯄ) 101ꯦꯊ ꯒꯤ ꯃꯊꯛ- ꯍꯥꯏꯔꯤꯕ ꯁꯥꯕꯒꯤ ꯆꯥꯡꯁꯤ ꯌꯧꯔꯒꯗꯤ ꯑꯩꯈꯣꯏꯅ
'Lethal' eGfDjx 'Killing Temperature' okTe SIep aKge
ꯌꯦꯟꯗ ꯁꯇ꯭ꯔꯣꯛ ꯆꯠꯍꯟꯗꯨꯅ ꯋꯥꯟꯊꯍꯟꯂꯤ꯫
ꯃꯩꯁꯥ ꯋꯥꯡꯈꯠꯂꯛꯄꯗꯒꯤ ꯌꯦꯟꯁꯤꯡꯅ ꯀꯔꯝꯕ ꯑꯀꯣꯏꯕꯒꯤ ꯐꯤꯚꯝꯒ
ꯆꯥꯟꯅꯅ ꯂꯩꯕ ꯉꯝꯍꯟꯕꯒꯦ?

ꯁꯤꯡ ꯑꯁꯤ ꯌꯥꯝꯅ ꯃꯔꯨ ꯑꯣꯏꯕ ꯃꯔꯣꯏ-ꯃꯄꯥꯡ ꯑꯃ ꯑꯣꯏꯕꯗ
ꯅꯠꯇꯅ ꯍꯤꯗꯥꯛ-ꯂꯥꯡꯊꯛ, ꯊꯛꯅꯅꯕ ꯃꯍꯤ ꯀꯌꯥ ꯑꯃꯗꯤ ꯁꯤꯡꯒꯤ ꯊꯥꯎ
ꯁꯨꯡꯕꯗ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯝꯅ ꯃꯔꯨ ꯑꯣꯏꯕ ꯄꯣꯠꯂꯝ ꯑꯃ ꯑꯣꯏꯔꯤ꯫
ꯃꯥꯂꯦꯝꯒꯤ ꯑꯣꯏꯅ ꯏꯟꯗꯤꯌꯥꯅ ꯁꯤꯡꯒꯤ ꯄꯣꯠꯊꯣꯛ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯌꯥꯝꯅ
ꯄꯨꯊꯣꯛꯄ ꯂꯩꯕꯥꯛꯁꯨ ꯑꯣꯏꯔꯤ꯫ ꯃꯥꯂꯦꯝ ꯄꯨꯝꯕꯒꯤ ꯑꯄꯨꯟꯕ ꯆꯥꯊꯣꯛꯀꯤ
ꯆꯥꯗ 70 ꯗꯤ ꯏꯟꯗꯤꯌꯥꯗ ꯄꯨꯊꯣꯛꯏ꯫
ꯁꯤꯡ ꯑꯆꯣꯠꯄ ꯒ꯭ꯔꯥꯝ 100 ꯗ ꯌꯥꯎꯕ ꯃꯔꯨ ꯑꯣꯏꯕ ꯃꯆꯜ ꯈꯔꯗꯤ
: ꯄ꯭ꯔꯣꯇꯤꯟ - ꯒ꯭ꯔꯥꯝ 2.3, ꯃꯍꯥꯎ (ꯐꯦꯠ)- ꯒ꯭ꯔꯥꯝ 2.4, ꯆꯅꯥꯏ 12.3,
ꯀꯦꯜꯁꯤꯌꯟ- ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 20, ꯐꯣꯁꯐꯣꯔꯁ- ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 60, ꯊꯥꯏꯃꯤꯟ
- ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 0.06, ꯔꯥꯏꯕꯣꯐ꯭ꯂꯦꯕꯤꯟ ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 0.03, ꯅꯥꯏꯁꯤꯟ-
ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 0.6, ꯚꯤꯇꯥꯃꯤꯟ- ꯃꯤꯂꯤꯒ꯭ꯔꯥꯝ 6 ꯄꯟꯕ ꯌꯥꯏ꯫
ꯃꯈꯜ : ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯃꯑꯣꯡ ꯈꯦꯟꯅꯕꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ
ꯁꯤꯡꯒꯤ ꯃꯈꯜ ꯀꯌꯥ ꯑꯃ ꯂꯩ꯫ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯑꯇꯦꯛꯄ ꯑꯣꯏꯅ,
ꯑꯀꯪꯕ ꯑꯣꯏꯅ, ꯊꯥꯎ ꯄꯨꯊꯣꯛꯅꯕ, ꯑꯣꯂꯤꯑꯣꯔꯦꯁꯤꯟ ꯄꯨꯊꯣꯛꯅꯕ
ꯃꯈꯜꯁꯤꯡꯅꯤ꯫ ꯑꯇꯦꯛꯄ ꯁꯤꯡꯒꯤꯗꯃꯛ ꯊꯥꯕ ꯌꯥꯕ ꯃꯈꯜꯁꯤꯡꯗꯤ
ꯆꯥꯏꯅꯥ, ꯔꯤꯑꯣꯗꯤ ꯖꯦꯅꯩꯔꯣ ꯄꯟꯕ ꯌꯥꯏ꯫ ꯁꯤꯡ ꯑꯀꯪꯕ ꯑꯣꯏꯅ
ꯁꯤꯖꯤꯟꯅꯕꯒꯤꯗꯃꯛꯇꯤ ꯅꯥꯗꯤꯌꯥ, ꯃꯔꯥꯟ, ꯀꯔꯥꯈꯜ ꯄꯟꯕ ꯌꯥꯏ꯫
ꯚꯣꯂꯦꯇꯥꯏꯜ ꯑꯣꯏꯜꯒꯤꯗꯃꯛ ꯅꯥꯔꯁꯥꯄꯠꯇꯝ, ꯍꯤꯃꯥꯆꯜ ꯄ꯭ꯔꯗꯦꯁ
ꯑꯁꯤꯅꯆꯤꯡꯕ ꯄꯟꯕ ꯌꯥꯏ꯫ ꯑꯣꯂꯤꯑꯣꯔꯦꯁꯤꯟ ꯄꯨꯊꯣꯛꯅꯕꯒꯤꯗꯃꯛ
ꯔꯦꯑꯣ ꯗꯤ ꯖꯦꯅꯩꯔꯣ, ꯆꯥꯏꯅꯥ, ꯄꯟꯕ ꯌꯥꯏ꯫
ꯏꯁꯤꯡ ꯅꯨꯡꯁꯤꯠ/ꯑꯏꯪ-ꯑꯁꯥ : ꯁꯤꯡꯅ ꯍꯧꯔꯤꯉꯩ ꯃꯇꯝꯗ
ꯅꯨꯡꯁꯤꯠꯇ ꯏꯅꯤꯜ ꯋꯥꯡꯅ ꯌꯥꯎꯕꯒ ꯂꯣꯏꯅꯅ ꯂꯨꯝꯕꯨ-ꯂꯨꯝꯕꯨ ꯁꯥꯕ ꯐꯤꯚꯝꯅ
ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯥꯅꯩ꯫ ꯃꯁꯤꯒꯤ ꯐꯤꯚꯝ ꯑꯁꯤꯃꯛ ꯃꯅꯤꯄꯨꯔꯗꯁꯨ ꯑꯗꯨꯃꯛ
ꯂꯩ꯫ ꯂꯣꯛꯂꯝꯗꯥꯏ ꯃꯇꯝꯒꯤ ꯊꯥ ꯑꯃꯔꯣꯝ ꯑꯁꯥꯕꯒꯤ ꯆꯥꯡ ꯑꯁꯤ 28ꯦ
ꯁꯤ- 35ꯦ ꯁꯤ ꯂꯩꯔꯕꯗꯤ ꯆꯥꯊꯣꯛ ꯌꯥꯝꯅ ꯍꯦꯟꯅ ꯐꯪꯉꯤ꯫

ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎ ꯑꯃꯁꯨꯡ ꯊꯥꯐꯝ ꯁꯦꯝ ꯁꯥꯕ : ꯂꯩꯍꯥꯎ ꯆꯦꯟꯕ,
ꯐꯣꯂꯤ ꯇꯥꯕ, ꯏꯁꯤꯡ ꯌꯥꯝꯅ ꯐꯥꯖꯤꯟꯒꯟꯗꯕ, ꯏꯔꯝ ꯅꯥꯂꯥ ꯅꯤꯡꯊꯤꯅ ꯂꯩꯕ
ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎꯅ ꯁꯤꯡꯒꯤꯗꯃꯛ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯆꯥꯅꯕ ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎꯅꯤ꯫
ꯅꯤꯡꯊꯤꯅ ꯑꯃꯗꯤ ꯂꯩꯆꯪ ꯂꯩꯅ ꯈꯣꯏꯗꯨꯅ ꯑꯃꯗꯤ ꯐꯣꯂꯤ ꯇꯥꯅ ꯁꯦꯝꯂꯕ
ꯃꯇꯝꯗ ꯃꯤꯇꯔ ꯑꯃ ꯄꯥꯛꯄ ꯐꯩꯗꯣꯝꯁꯤꯡ ꯑꯃꯒ-ꯑꯃꯒ ꯐꯨꯠ ꯑꯃꯒꯤ
ꯆꯨꯔꯤꯅ ꯈꯜꯍꯟꯗꯨꯅ, ꯐꯩꯗꯣꯝꯒꯤ ꯑꯋꯥꯡꯕ ꯁꯦ:ꯃꯤ: 15 (ꯐꯨꯠꯈꯥꯏ ꯑꯃ)
ꯑꯣꯏꯍꯟꯕꯒ ꯂꯣꯏꯅꯅ ꯑꯁꯥꯡꯕꯗꯤ ꯐꯤꯚꯝ ꯑꯃꯁꯨꯡ ꯈꯨꯗꯣꯡꯆꯥꯕꯒꯤ
ꯃꯈꯥ ꯄꯣꯟꯅ ꯁꯦꯝꯒꯅꯤ꯫

ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯑꯁꯥꯕ ꯃꯇꯝꯒꯤ ꯄꯥꯝꯕꯤꯅꯤ꯫ ꯃꯤꯑꯣꯏꯕꯅ ꯀꯥꯟꯅꯔꯕ
ꯆꯤꯟꯖꯥꯛꯀꯤ ꯃꯆꯤꯡꯁꯤꯡ ꯃꯔꯥꯡ ꯀꯥꯏꯅ ꯌꯥꯎꯕ ꯑꯃꯁꯨꯡ ꯃꯦꯗꯤꯁꯤꯅꯦꯜ
ꯚꯦꯂ꯭ꯌꯨ ꯂꯣꯏꯅꯕ ꯃꯔꯝꯅ ꯄꯥꯝꯕꯤ ꯃꯈꯜꯁꯤ ꯂꯧꯎ-ꯁꯤꯡꯎ ꯇꯧꯔꯤꯕ
ꯃꯤꯑꯣꯏꯁꯤꯡꯅ ꯄꯥꯝꯅ ꯊꯥꯅꯩ꯫ ꯑꯏꯪ-ꯑꯁꯥꯒꯤ ꯆꯥꯡ ꯁꯦꯜꯁꯤꯌꯁ ꯗꯤꯒ꯭ꯔꯤ 25
ꯗꯒꯤ 30 ꯐꯥꯎꯕ ꯂꯩꯕ ꯃꯇꯝꯗ ꯄꯥꯝꯕꯤꯁꯤ ꯐꯖꯅ ꯍꯧꯏ ꯑꯗꯨꯝ ꯑꯣꯏꯅꯃꯛ
ꯑꯏꯪ-ꯑꯁꯥꯒꯤ ꯆꯥꯡ ꯗꯤꯒ꯭ꯔꯤ ꯁꯦꯜꯁꯤꯌꯁ 17 ꯃꯈꯥꯗ ꯂꯩꯕ ꯃꯇꯝꯗ ꯍꯧꯕ
ꯉꯝꯗꯦ꯫ ꯁꯥꯕꯒꯤ ꯆꯥꯡꯁꯤꯁꯨ ꯌꯥꯝꯅ ꯋꯥꯡꯕ ꯃꯇꯝ ꯍꯥꯏꯕꯗꯤ ꯁꯦꯜꯁꯤꯌꯁ
ꯗꯤꯒ꯭ꯔꯤ 42 ꯒꯤ ꯃꯊꯛ ꯌꯧꯔꯛꯂꯕꯗꯤ ꯑꯁꯥꯠꯄ ꯃꯄꯥꯟ ꯐꯥꯎꯕ ꯀꯦꯜꯂꯤ꯫
ꯂꯩꯕꯥꯛ : ꯃꯈꯜ ꯈꯨꯗꯤꯡꯒꯤ ꯂꯩꯕꯥꯛꯇ ꯍꯧꯕ ꯉꯝꯃꯤ ꯍꯥꯏꯕ ꯌꯥꯏ꯫
ꯚꯦꯂꯦꯟꯗꯔꯤ ꯊꯥꯅꯕꯒꯤꯗꯃꯛ ꯀꯥ ꯍꯦꯟꯅ ꯈꯣꯏꯕꯒꯤ ꯗꯔꯀꯥꯔ ꯑꯣꯏꯗꯦ꯫
ꯅꯣꯡꯖꯨ ꯊꯥꯒꯤ ꯃꯇꯝꯗ ꯏꯁꯤꯡ ꯇꯨꯡꯗꯅꯕ ꯑꯔꯣꯏꯕ ꯈꯣꯏꯕ ꯃꯇꯝꯗ ꯑꯇꯣꯡ-
ꯑꯀꯨꯠ ꯌꯦꯡꯍꯧꯒꯅꯤ꯫
ꯍꯥꯟ : ꯂꯧꯐꯝ ꯈꯦꯟꯅꯕꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ ꯍꯥꯔꯒꯤ ꯆꯥꯡ ꯈꯦꯟꯅꯩ꯫ ꯑꯗꯨꯃꯛꯄꯨ
ꯆꯥꯡꯆꯠꯇ ꯁꯟꯊꯤ-ꯁꯟꯌꯨꯡꯒꯤ ꯍꯥꯔ ꯅꯠꯇ꯭ꯔꯒ ꯀꯝꯄꯣꯁ ꯃꯉꯥꯃꯨꯛꯇꯤ KZA
ꯑꯃ ꯆꯥꯎꯕ ꯂꯧꯐꯝꯗ ꯍꯥꯞꯐꯝ ꯊꯣꯛꯏ꯫ ꯑꯔꯣꯏꯕ ꯂꯧꯑꯣꯟꯒꯤ ꯃꯥꯡꯑꯣꯏꯅꯅ
ꯍꯥꯞꯐꯝ ꯊꯣꯛꯄ ꯁꯟꯊꯤ-ꯁꯟꯌꯨꯡꯒꯤ ꯍꯥꯔꯁꯤꯡ ꯍꯥꯞꯍꯧꯕꯗ ꯅꯠꯇꯅ ꯌꯨꯔꯤꯌꯥ
ꯀꯤꯂꯣ 15, ꯗꯤ ꯑꯦꯝ ꯄꯤ ꯀꯤꯂꯣ 30 ꯑꯃꯁꯨꯡ ꯄꯣꯇꯥꯁ ꯀꯤꯂꯣ 20 ꯂꯩꯕꯥꯛꯇ
ꯈꯣꯏꯖꯤꯟꯕꯤꯍꯧꯒꯅꯤ꯫ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯊꯥꯈ꯭ꯔꯕ ꯃꯇꯨꯡꯗ ꯊꯥ ꯑꯃ ꯐꯥꯕꯒ ꯌꯨꯔꯤꯌꯥ
ꯀꯤꯂꯁ 15 ꯑꯃꯒ ꯆꯥꯏꯁꯤꯟꯒꯅꯤ꯫ ꯊꯥꯈꯤꯕ ꯊꯥ ꯑꯁꯤ ꯃꯄꯨꯡ ꯐꯥꯕ ꯃꯇꯝꯗ \
ꯨꯔꯤꯌꯥ ꯀꯤꯂꯣ 15 ꯑꯃꯒ ꯑꯃꯨꯛ ꯆꯥꯏꯁꯤꯟꯒꯅꯤ꯫
ꯊꯥꯕ ꯃꯇꯝ : ꯐꯦꯕ꯭ꯔꯨꯋꯥꯔꯤ ꯃꯥꯔ꯭ꯆꯇ ꯊꯥꯕ ꯌꯥꯔꯦ꯫ ꯆꯤꯡꯗꯗꯤ ꯖꯨꯟ-
ꯖꯨꯂꯥꯏꯗꯁꯨ ꯊꯥꯕ ꯌꯥꯏ꯫
ꯆꯪꯒꯗꯕ ꯃꯔꯨꯒꯤ ꯆꯥꯡ : KZA ꯑꯃ ꯊꯥꯕꯗ ꯃꯔꯨ ꯀꯤꯂꯣ 2-3 ꯐꯥꯎꯕ
ꯆꯪꯏ꯫
ꯑꯀꯨꯡ-ꯑꯔꯜ : ꯄꯔꯦꯡꯒ ꯄꯔꯦꯡꯒ ꯁꯦꯃꯤ 45-60 ꯐꯥꯎꯕ ꯑꯗꯨꯒ
ꯄꯥꯝꯕꯤꯒ ꯄꯥꯝꯕꯤꯒ ꯁꯦꯃꯤ 25-30 ꯐꯥꯎꯕ ꯊꯥꯞꯅꯍꯟꯒꯅꯤ꯫
ꯏꯁꯤꯡ ꯆꯟꯕ: ꯏꯁꯤꯡ ꯏꯅꯤꯜ ꯂꯩꯍꯟꯕꯈꯛ ꯅꯠꯇꯅ ꯏꯁꯤꯡ ꯍꯦꯟꯅ
ꯆꯟꯁꯤꯟꯕꯒꯤ ꯗꯔꯀꯥꯔ ꯑꯣꯏꯗꯦ꯫
ꯃꯄꯨꯡ ꯐꯥꯕ: ꯅꯨꯃꯤꯠ 50-60 ꯅꯤ ꯁꯨꯕ ꯃꯇꯝꯗꯒꯤ ꯍꯦꯛꯄ ꯌꯥꯏ꯫ ꯃꯄꯥꯜ
ꯁꯥꯠꯄꯗꯒꯤ ꯍꯦꯛꯄ ꯐꯥꯎꯕꯗ ꯅꯨꯃꯤꯠ 7-8 ꯅꯤ ꯈꯛ ꯆꯪꯏ꯫
ꯄꯣꯠꯊꯣꯛ: KZA ꯑꯃ ꯆꯥꯎꯕ ꯃꯐꯝꯗ ꯀ꯭ꯋꯤꯟꯇꯜ 20-30 ꯐꯥꯎꯕ ꯊꯣꯛꯏ꯫
ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯗ ꯃꯈꯜ ꯀꯌꯥꯒꯤ ꯂꯥꯏꯅꯥ ꯇꯤꯜꯅ ꯇꯥꯏ꯫ ꯍꯦꯛꯄꯒꯤ ꯃꯇꯝ \
ꯧꯔꯛꯂꯕ ꯑꯃꯁꯨꯡ ꯍꯦꯛꯂꯕ ꯄꯥꯝꯕꯤ ꯀꯌꯥꯗꯁꯨ ꯂꯥꯏꯅꯥ ꯇꯤꯜꯅ ꯇꯥꯕꯗꯒꯤ ꯄꯣꯠꯊꯣꯛ
ꯌꯥꯝꯅ ꯍꯟꯊꯍꯜꯂꯤ꯫ ꯂꯥꯏꯅꯥ ꯇꯤꯜꯅꯥꯁꯤꯡ ꯑꯁꯤꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯃꯈꯜ ꯀꯌ
ꯥꯒꯤ ꯍꯤꯗꯥꯛ ꯀꯥꯞꯅꯩ꯫ ꯅꯣꯡꯃ ꯀꯥꯜꯂꯒ ꯅꯤꯅꯤꯁꯨꯕꯗ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯁꯤꯡ ꯍꯦꯛꯅꯩ꯫
ꯍꯤꯗꯥꯛꯁꯨ ꯇꯣꯏꯅ ꯀꯥꯞꯄ, ꯇꯣꯏꯅꯁꯨ ꯍꯦꯛꯄ ꯍꯥꯏꯕꯁꯤ ꯆꯤꯟꯖꯥꯛꯇ ꯍꯤꯗꯥꯛ \
ꯥꯎꯔꯛꯅꯕꯒꯤ ꯑꯆꯧꯕ ꯃꯔꯝ ꯑꯃꯅꯤ꯫ ꯉꯜꯂꯤꯉꯩꯗ ꯂꯥꯏꯅꯥ ꯇꯤꯜꯅꯥꯁꯤꯡ ꯃꯁꯛ
ꯈꯪꯗꯣꯛꯇꯨꯅ ꯉꯥꯛꯊꯣꯛꯇꯨꯅ ꯍꯣꯠꯅꯍꯧꯕꯅ ꯄꯣꯠꯊꯣꯛ ꯍꯦꯟꯒꯠꯍꯟꯕꯗ ꯅꯠꯇꯅ
ꯍꯤꯗꯥꯛ ꯁꯤꯖꯤꯟꯅꯕꯒꯤ ꯆꯥꯡꯁꯨ ꯍꯟꯊꯍꯜꯂꯤ꯫
ꯃꯄꯥꯜ ꯁꯥꯈ꯭ꯔꯕ ꯃꯇꯨꯡ ꯅꯨꯃꯤꯠ ꯇꯔꯦꯠꯅꯤ ꯅꯠꯇ꯭ꯔꯒ ꯅꯤꯄꯥꯟꯅꯤ ꯁꯨꯕꯗ
ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯗꯤ ꯍꯦꯛꯄ ꯌꯥꯏ꯫ ꯇꯣꯏꯅ ꯍꯦꯛꯂꯤꯕꯃꯈꯩ ꯂꯩꯍꯧꯔꯤꯕ, ꯄꯤꯛꯂꯤꯕ
ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯅ ꯆꯥꯎꯕ ꯑꯃꯁꯨꯡ ꯑꯅꯧꯕ ꯃꯄꯥꯜ ꯁꯥꯕ ꯊꯨꯖꯤꯜꯍꯜꯂꯤ꯫ ꯍꯦꯛꯄ
ꯀ) ꯌꯦꯟꯅ ꯃꯆꯤꯟꯖꯥꯛ ꯆꯥꯁꯤꯟꯂꯕ ꯃꯇꯨꯡꯗ ꯃꯈꯣꯏꯒꯤ ꯃꯕꯨꯛ ꯃꯅꯨꯡꯗ
ꯐꯔꯃꯦꯟꯇꯦꯁꯟ ꯄ꯭ꯔꯣꯁꯦꯁ ꯇꯧꯕꯗ ꯃꯩꯁꯥ ꯀꯌꯥ ꯁꯟꯗꯣꯔꯛꯏ ꯍꯥꯏꯔꯤꯕ ꯃꯩꯁꯥ
ꯑꯁꯤ ꯏꯪꯕ ꯃꯇꯝꯗꯗꯤ ꯕꯣꯗꯤ ꯇꯦꯝꯄꯔꯦꯆꯔ ꯃꯦꯟꯇꯦꯟ ꯇꯧꯅꯕ ꯊꯝꯃꯤ ꯑꯗꯨꯕꯨ
ꯁꯒꯠꯂꯛꯄ ꯃꯇꯝꯗꯒꯤ ꯑꯍꯦꯟꯕ ꯃꯩꯁꯥꯗꯨ ꯄꯨꯕ ꯉꯝꯂꯛꯇꯕꯅꯤꯅ ꯌꯦꯟꯅ
ꯃꯆꯤꯟꯖꯥꯛꯔꯣꯝꯗ ꯇꯥꯏꯅꯗꯨꯅ ꯆꯥꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯔꯛꯏ꯫
ꯁ) ꯁꯥꯒꯠꯂꯛꯄ ꯃꯇꯝꯗ ꯌꯦꯟꯅ ꯏꯁꯤꯡ ꯌꯥꯝꯅ ꯊꯛꯄꯁꯤꯅ ꯃꯁꯥꯗꯨ
ꯏꯪꯍꯟꯕ ꯉꯝꯃꯤ꯫
ꯌꯦꯟꯅ ꯃꯀꯣꯟ ꯃꯅꯨꯡꯗ ꯀꯣꯏꯆꯦꯟ ꯆꯦꯟꯗꯨꯅ ꯁꯥꯟꯅꯔꯒꯗꯤ ꯁꯥꯕꯒꯤ ꯆꯥꯡ
ꯌꯥꯝꯅ ꯋꯥꯡꯈꯠꯂꯛꯂꯤ ꯃꯔꯝ ꯑꯁꯤꯅ ꯀꯥ ꯍꯦꯟꯅ ꯆꯦꯟ-ꯆꯣꯡꯗꯨꯅ ꯏꯁꯤꯡꯒꯤ
ꯄꯥꯇ꯭ꯔꯥ ꯈꯔꯥ ꯌꯥꯝꯅ ꯊꯝꯕꯤꯕ ꯗꯔꯀꯥꯔ ꯑꯣꯏ꯫
ꯂ) ꯌꯦꯟ ꯄꯨꯟꯅ ꯊꯝꯕ ꯃꯐꯝꯗꯤ ꯌꯦꯟꯅ ꯁꯥꯕꯗꯒꯤ ꯀꯣꯛꯅꯕ ꯃꯈꯣꯏꯒꯤ
ꯃꯀꯣꯟꯗ ꯊꯝꯂꯤꯕ ꯋꯥꯏꯗꯨꯗ ꯃꯁꯥ ꯂꯨꯞꯁꯤꯟꯗꯨꯅ ꯏꯪꯅꯕ ꯍꯣꯠꯅꯩ꯫
ꯃꯩꯁꯥ ꯍꯟꯊꯍꯟꯅꯕ ꯑꯃꯗꯤ ꯍꯦꯟꯅ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯅꯕ ꯑꯩꯈꯣꯏꯅ
ꯀꯔꯤ ꯇꯧꯕ ꯇꯥꯏ꯫
ꯀ) ꯌꯦꯟꯒꯤ ꯃꯀꯣꯟ:
1) ꯌꯦꯟꯒꯣꯟꯒꯤ ꯃꯥꯏꯑꯣꯟꯁꯤ ꯅꯣꯡꯄꯣꯛ-ꯅꯣꯡꯆꯥꯞ ꯑꯣꯏꯍꯟꯕ ꯑꯃꯗꯤ
ꯃꯈꯣꯏꯒꯤ ꯅꯥꯀꯟꯗꯨ ꯈꯁ-ꯋꯥꯡꯗ ꯂꯩꯍꯟꯂꯒꯗꯤ ꯅꯨꯡꯁꯥ ꯃꯉꯥꯜꯅ ꯌꯦꯟꯒꯣꯟꯗ
ꯗꯥꯏꯔꯦꯛ ꯐꯨꯕ ꯉꯝꯍꯟꯗꯦ꯫
2) ꯌꯦꯟꯒꯣꯟ ꯑꯃ ꯌꯦꯟꯒꯣꯟ ꯑꯃꯒ ꯐꯨꯠ 15 ꯂꯥꯞꯅꯅ ꯁꯥꯕꯤꯒꯅꯤ ꯑꯃꯗꯤ
ꯌꯦꯟꯒꯣꯟꯒꯤ ꯑꯀꯣꯏꯕꯗ ꯑꯇꯣꯞꯄ KI ꯁꯥꯕꯤꯔꯣꯏꯗꯕꯅꯤ ꯃꯁꯤꯅ ꯑꯐꯕ
ꯅꯨꯡꯁꯤꯠ ꯌꯦꯟꯒꯣꯟꯗ ꯐꯪꯍꯟꯕꯇ ꯅꯠꯇꯅ ꯌꯦꯟꯁꯤꯡꯁꯨ ꯏꯪꯅ ꯂꯩꯕ ꯉꯝꯒꯅꯤ꯫
3) ꯌꯦꯟꯒꯣꯟꯒꯤ ꯑꯀꯣꯏꯕꯗ ꯎ-ꯋꯥ ꯊꯥꯕꯤꯒꯅꯤ ꯑꯃꯗꯤ ꯀꯥ ꯍꯦꯟꯅ ꯁꯥꯕ
ꯃꯇꯝꯗ ꯃꯀꯣꯟ ꯃꯊꯛꯇ ꯏꯁꯤꯡ ꯆꯥꯏꯕꯤꯕ ꯅꯠꯇ꯭ꯔꯒ ꯐꯤ/ꯕꯣꯔꯥ ꯑꯆꯣꯠꯄ
ꯃꯀꯣꯟ ꯃꯊꯛꯇ ꯊꯝꯕꯤꯕ ꯑꯁꯤꯅꯆꯤꯡꯕꯁꯤꯡ ꯇꯧꯕꯤꯔꯒꯗꯤ ꯃꯀꯣꯟ
ꯏꯪꯍꯟꯕꯇ ꯅꯠꯇꯅ ꯌꯦꯟꯁꯨ ꯏꯪꯅ ꯂꯩꯕ ꯉꯝꯍꯟꯂꯤ
4) ꯌꯦꯟꯒꯣꯟ ꯃꯅꯨꯡꯗ ꯑꯦꯔꯤꯌꯥꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ ꯌꯦꯟ ꯌꯥꯝꯅ
ꯊꯝꯖꯤꯟꯕꯤꯔꯣꯏꯗꯕꯅꯤ꯫

5) ꯌꯦꯟꯒꯣꯟꯁꯤ ꯁꯨꯅꯨꯅ ꯇꯩꯕꯤꯔꯒꯗꯤ ꯃꯀꯣꯟꯒꯤ ꯑꯁꯥꯕꯁꯤ ꯑꯇꯣꯞꯄ
ꯃꯆꯨꯅ ꯇꯩꯕꯗꯒꯤ 10ꯦꯊ ꯏꯪꯊꯅ ꯂꯩꯍꯟꯂꯤ꯫
6) ꯀꯔꯤꯒꯨꯝꯕ ꯃꯇꯇꯝꯗꯁꯨ ꯌꯦꯟꯒꯣꯟꯗꯨ ꯏꯪꯅ ꯂꯩꯅꯕ ꯌꯦꯟꯒꯣꯟ ꯃꯊꯛꯇ
ꯃꯔꯤ ꯆꯠꯄ ꯄꯥꯝꯕꯤ ꯍꯥꯏꯕꯗꯤ ꯈꯣꯡꯗ꯭ꯔꯨꯝ, ꯃꯥꯏꯔꯦꯟ, ꯇꯣꯔꯕꯣꯠ, ꯁꯦꯕꯣꯠ
ꯑꯁꯤꯅꯆꯤꯡꯕꯁꯤꯡ ꯑꯁꯤ ꯌꯦꯟꯒꯣꯟ ꯃꯊꯛꯇ ꯃꯔꯤ ꯆꯠꯍꯟꯕꯤꯔꯒꯗꯤ
ꯁꯥꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯔꯛꯏ꯫

ꯍꯥꯔꯒꯤ ꯆꯥꯡ : ꯁꯉꯝꯗ ꯉꯝꯂꯕꯗꯤ ꯁꯟꯊꯤ-ꯁꯟꯌꯨꯡꯒꯤ ꯍꯥꯔ
KE ꯒꯥꯔꯤ ꯃꯄꯣꯠ 7-8 ꯒ ꯂꯣꯏꯅꯅ ꯌꯨꯔꯤꯌꯥ ꯀꯤꯂꯣ 40-45, ꯁꯨꯄꯔ
ꯀꯤꯂꯣ 70-75, ꯄꯣꯇꯥꯁ ꯀꯤꯂꯣ 20- 25 ꯂꯩꯕꯥꯛ ꯂꯩꯍꯥꯎꯒꯤ ꯃꯇꯨꯡ ꯏꯟꯅ
ꯍꯥꯞꯄꯤꯒꯅꯤ꯫ ꯁꯟꯊꯤ-ꯁꯟꯌꯨꯡꯒꯤ ꯍꯥꯔꯗꯤ ꯊꯥꯒꯗꯕ ꯊꯥ ꯃꯈꯣꯏ ꯑꯃ
ꯋꯥꯠꯂꯤꯉꯩꯗ ꯂꯩꯕꯥꯛꯇ ꯈꯣꯏꯖꯤꯟꯕꯤꯍꯧꯒꯅꯤ꯫ ꯊꯥꯔꯝꯗꯥꯏꯒꯤ ꯑꯔꯣꯏꯕ
ꯈꯣꯏꯕꯗ ꯑꯄꯨꯟꯕ ꯌꯨꯔꯤꯌꯥꯒꯤ ꯇꯥꯡꯈꯥꯏ ꯑꯃ, ꯑꯄꯨꯟꯕ ꯄꯣꯇꯥꯁ
ꯑꯃꯁꯨꯡ ꯑꯄꯨꯟꯕ ꯁꯨꯄꯔ ꯈꯣꯏꯖꯤꯟꯕꯤꯍꯧꯒꯅꯤ꯫ ꯂꯦꯝꯍꯧꯔꯤꯕ ꯌꯨꯔꯤꯌꯥ
ꯑꯗꯨ ꯊꯥꯔꯕ ꯃꯇꯨꯡ ꯅꯨꯃꯤꯠ 30, 45 ꯑꯃꯁꯨꯡ 80 ꯁꯨꯕꯗ ꯆꯥꯡ ꯃꯥꯟꯅꯅ \
ꯦꯟꯊꯣꯛꯂꯒ ꯍꯥꯞꯄꯤꯒꯅꯤ꯫

ꯁꯤꯗ ꯇ꯭ꯔꯤꯠꯃꯦꯟꯠ, ꯃꯔꯨꯒꯤ ꯆꯥꯡ ꯑꯃꯁꯨꯡ ꯑꯔꯟ-ꯑꯀꯨꯡ:
KZA ꯑꯃꯗ ꯆꯥꯎꯔꯥꯛꯅ ꯁꯤꯡ ꯃꯅꯥꯎ ꯀꯤꯂꯣ 45--500 ꯆꯪꯒꯅꯤ꯫

ꯁꯤꯡ ꯃꯅꯥꯎꯁꯤꯡ ꯑꯗꯨ ꯒ꯭ꯔꯥꯝ 20-25 ꯂꯨꯝꯃꯕꯅ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯐꯩ꯫ ꯁꯤꯡ
ꯃꯅꯥꯎꯁꯤꯡ ꯑꯗꯨ ꯃꯦꯟꯀꯣꯖꯦꯕ ꯆꯥꯗ 75 ꯑꯁꯤ ꯏꯁꯤꯡ ꯂꯤꯇꯔ ꯑꯃꯗ
ꯒ꯭ꯔꯥꯝ 2.5-3 ꯂꯤꯇꯔ ꯑꯃꯒꯤ ꯆꯥꯡꯗ ꯊꯤꯠꯂꯒ ꯃꯍꯤꯗ ꯄꯨꯡꯈꯥꯏ ꯑꯃ
ꯇꯤꯡꯂꯒ ꯂꯧꯈꯠꯇꯨꯅ ꯎꯔꯨꯝꯗ ꯀꯪꯍꯜꯂꯕ ꯃꯇꯨꯡꯗ ꯄꯔꯦꯡꯒ ꯄꯔꯦꯡꯒ
ꯁꯦ:ꯃꯤ: 15-30 ꯑꯃꯁꯨꯡ ꯃꯅꯥꯎꯒ ꯁꯦ:ꯃꯤ: 15-20 ꯂꯦꯞꯅꯅ ꯁꯦ:ꯃꯤ:
5 ꯂꯨꯅꯥ ꯊꯥꯕꯤꯒꯅꯤ꯫ ꯁꯤꯡꯅ ꯍꯧꯔꯛꯄꯗ ꯅꯨꯃꯤꯠ 15-20 ꯅꯤꯃꯨꯛ ꯆꯪꯕ ꯌꯥꯏ꯫
ꯏꯁꯤꯡ ꯆꯟꯕ: ꯍꯦꯛ ꯊꯥꯔꯕ ꯃꯇꯨꯡꯗ ꯏꯁꯤꯡ ꯆꯟꯕꯤꯕ ꯐꯩ꯫
ꯂꯩꯕꯥꯛ ꯏꯅꯤꯜ ꯂꯩꯅꯕ ꯅꯨꯃꯤꯠ 15-20 ꯅꯤ ꯈꯨꯗꯤꯡꯒꯤ ꯏꯁꯤꯡ ꯆꯟꯕꯤꯕ
ꯉꯝꯂꯕꯗꯤ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯐꯔꯦ꯫
ꯃꯨꯜꯆꯤꯡ: ꯏꯅꯤꯜ ꯐꯥꯅꯕ ꯑꯃꯁꯨꯡ ꯅꯥꯄꯤ ꯍꯧꯗꯅꯕ ꯅꯥꯄꯤꯁꯤꯡꯅ
ꯑꯆꯣꯠꯄ ꯅꯠꯇ꯭ꯔꯒ ꯆꯔꯨꯅ ꯀꯨꯞꯇꯨꯅ ꯊꯝꯕ ꯌꯥꯝꯅ ꯐꯩ꯫
ꯍꯥꯕꯦꯡꯕ ꯑꯃꯁꯨꯡ ꯂꯩꯕꯥꯛ ꯈꯣꯞꯆꯤꯟꯕ : ꯊꯥꯔꯕ ꯃꯇꯨꯡ ꯅꯨꯃꯤꯠ
30 ꯅꯤ ꯁꯨꯕ ꯑꯗꯨꯋꯥꯏꯗ ꯅꯥꯄꯤ ꯅꯤꯡꯊꯤꯅ ꯄꯦꯡꯊꯣꯛꯄꯤꯒꯅꯤ꯫ ꯄꯥꯝꯕꯤ
ꯃꯈꯣꯡꯁꯤꯡ ꯑꯗꯨ ꯄꯔꯦꯡꯒ ꯏꯔꯣꯏꯅꯅ ꯈꯣꯞꯆꯤꯟꯕꯤꯕꯅ ꯁꯤꯡ ꯃꯅꯥꯎ
ꯅꯤꯡꯊꯤꯅ ꯇꯥꯕ ꯉꯝꯒꯅꯤ꯫

ꯂꯥꯏꯅꯥ-ꯇꯤꯜꯅꯥ : ꯀꯔꯤꯒꯨꯝꯕ ꯁꯤꯡꯒꯤ ꯃꯅꯥꯎꯁꯤꯡ ꯇꯤꯡꯒꯣꯡꯗ
ꯍꯨꯠꯇꯨꯅ ꯆꯥꯕ ꯊꯦꯡꯅꯩ ꯃꯁꯤꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯃꯥꯂꯥꯊꯤꯑꯣꯟ ꯆꯥꯗ 5
ꯄꯥꯎꯗꯔ KZA ꯑꯃꯒꯤ ꯆꯥꯡꯗ ꯀꯤꯂꯣ 7 ꯂꯩꯕꯥꯛ ꯑꯔꯣꯏꯕ ꯈꯣꯏꯕꯗ
ꯍꯥꯞꯍꯧꯕ ꯀꯥꯟꯅꯒꯅꯤ꯫ ꯁꯤꯡ ꯃꯅꯥꯎ ꯄꯠꯄꯤ ꯑꯃꯗꯤ ꯑꯇꯣꯞꯄ ꯂꯥꯏꯅꯥ
ꯀꯌꯥꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯕꯥꯏꯑꯣꯒꯤ ꯑꯣꯏꯕ ꯍꯤꯗꯥꯛ ꯁꯤꯡ ꯃꯅꯥꯎ
ꯃꯇꯝꯗ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯒꯤ ꯃꯈꯣꯛ ꯑꯗꯨ ꯄꯥꯝꯕꯤꯗ ꯊꯅꯝꯅꯕ ꯍꯣꯠꯅꯒꯅꯤ꯫
ꯑꯁꯨꯝꯅ ꯍꯦꯛꯄꯒꯤ ꯈꯨꯗꯣꯡꯆꯥꯔꯣꯏꯗꯕ ꯂꯩꯔꯒꯅ ꯊꯥꯡꯅ ꯅꯠꯇ꯭ꯔꯒ ꯀꯥꯇꯤ
ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯍꯦꯛꯀꯅꯤ꯫ ꯅꯠꯇ꯭ꯔꯕꯗꯤ ꯈꯔꯥ ꯂꯤꯕ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯍꯦꯛꯅꯕ
ꯍꯣꯠꯅꯕꯗ ꯄꯥꯝꯕꯤ ꯐꯨꯛꯇꯣꯔꯛꯄ ꯅꯠꯇ꯭ꯔꯒ ꯄꯥꯝꯕꯤ ꯁꯦꯒꯥꯏꯕ ꯌꯥꯎꯏ꯫
ꯄꯣꯠꯊꯣꯛ ꯂꯩꯅꯕꯒꯤꯗꯃꯛ ꯃꯇꯝ ꯃꯇꯝꯒꯤ ꯑꯣꯏꯅ ꯇꯥꯔꯤꯕ ꯂꯥꯏꯅꯥ
ꯇꯤꯜꯅꯥꯁꯤꯡ ꯃꯁꯛ ꯈꯪꯗꯣꯛꯇꯨꯅ ꯈꯨꯗꯨꯝ ꯆꯟꯅꯕ ꯍꯣꯠꯅꯒꯅꯤ꯫ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯗ
ꯇꯥꯒꯟꯕ ꯂꯥꯏꯅꯥꯁꯤꯡꯗꯤ - 1) ꯄꯤꯛꯂꯤꯉꯩꯗ ꯃꯈꯣꯡ ꯄꯠꯇꯨꯅ ꯇꯨꯔꯕ ꯃꯇꯨꯡꯗ
ꯀꯪꯗꯨꯅ ꯁꯤꯕ (Damping ꯍꯇꯇ), 2) ꯃꯅꯥꯗ ꯄꯥꯎꯗꯔꯒꯨꯝꯕ ꯃꯀꯨꯞ
ꯃꯀꯨꯞꯁꯤꯡꯅ ꯀꯨꯞꯁꯤꯟꯕ (Powdery ꯂꯡꯦꯛꯅꯄ), 3) ꯄꯥꯝꯕꯤꯅ
mlNSbT SbTFq (Fusarium wilt), 4) aek skFldwg (Leaf
blight) ꯑꯃꯁꯨꯡ, 5) ꯚꯥꯏꯔꯁꯅ ꯊꯣꯛꯍꯟꯕ ꯃꯅꯥꯒꯤ ꯃꯁꯤꯡꯁꯤꯡꯅ ꯅꯥꯄꯨ
avb vImdw (Yellow vein mossaic virus).
ꯃꯔꯨꯑꯣꯏꯕ ꯇꯤꯜꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ 1) ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯑꯃꯁꯨꯡ ꯃꯌꯣꯟ
ꯍꯨꯠꯄ ꯇꯤꯜ (spotted ꯨꯍꯦꯦꯄꯍꯗꯂ), 2) ꯃꯅꯥꯒꯤ ꯃꯍꯤ ꯆꯨꯞꯊꯣꯛꯄꯤ
(Jassids), 3) ꯑꯊꯣꯠꯄ ꯃꯐꯝꯁꯤꯡꯗꯒꯤ ꯃꯍꯤ ꯆꯨꯞꯊꯣꯛꯄꯒꯤ (ꯀꯩꯡꯛꯅꯗ
mite), ꯑꯃꯁꯨꯡ 4) ꯚꯥꯏꯔꯁꯅ ꯊꯣꯛꯍꯟꯕ ꯂꯥꯏꯅꯥꯁꯤꯡꯕꯨ ꯁꯟꯗꯣꯛꯂꯤꯕ
white ꯇꯦꯧ ꯅꯆꯤꯡꯕ ꯃꯃꯤꯡ ꯄꯟꯕ ꯌꯥꯏ꯫
ꯃꯈꯣꯡ ꯄꯠꯄꯤ ꯂꯥꯏꯅꯥ (Damping ꯍꯇꯇ) : ꯂꯥꯏꯅꯥ ꯑꯁꯤ ꯄꯤꯊꯤꯌꯝ,
ꯔꯥꯏꯖꯣꯁꯇꯣꯅꯤꯌꯥ ꯑꯃꯁꯨꯡ ꯐꯨꯖꯦꯔꯤꯌꯝ ꯍꯥꯏꯅ ꯈꯪꯅꯕ ꯀꯣꯛꯐꯥꯏꯁꯤꯡꯅ
ꯊꯣꯛꯍꯜꯂꯤ꯫ ꯆꯥꯔꯥꯁꯤꯡꯅ ꯃꯔꯨ ꯄꯣꯛꯈꯥꯏꯔꯛꯄꯗ ꯉꯥꯏꯔꯤꯉꯩꯗ ꯃꯔꯥ ꯑꯣꯏꯅ
ꯊꯤꯟꯗꯣꯔꯛꯂꯤꯕ ꯁꯔꯨꯛ ꯑꯃꯁꯨꯡ ꯃꯌꯣꯜꯅ ꯂꯩꯕꯥꯛꯇꯒꯤ ꯊꯤꯟꯒꯠꯂꯛꯄꯗ
ꯉꯥꯏꯔꯤꯉꯩꯗ ꯃꯈꯣꯡꯗ ꯃꯨꯁꯤꯜꯂꯛꯄ ꯑꯃꯁꯨꯡ ꯆꯦꯡꯁꯤꯜꯂꯛꯄꯗꯒꯤ
ꯄꯥꯛꯇꯛꯅꯅ ꯁꯤꯕ ꯑꯩꯈꯣꯏꯅ ꯌꯥꯝꯅ ꯇꯣꯏꯅ ꯊꯦꯡꯅꯩ꯫

ꯀꯟꯅꯕ ꯄꯥꯝꯕꯩ: ꯃꯔꯨ ꯀꯤꯂꯣꯒ꯭ꯔꯥꯝ ꯑꯃꯗ Captain ꯅꯠꯇ꯭ꯔꯒ
Thiram ꯒ꯭ꯔꯥꯝ ꯑꯍꯨꯝ ꯇꯣꯠꯂꯒ ꯊꯥꯍꯧꯕ ꯐꯩ꯫ ꯂꯤꯡꯊꯣꯛꯅꯤꯡꯕ ꯑꯣꯏꯔꯒꯅ
ꯆꯔꯥ ꯍꯨꯟꯐꯝꯗ ꯃꯔꯨ ꯍꯜꯂꯕ ꯃꯇꯨꯡ Captain 50% ꯅꯠꯇ꯭ꯔꯒ ꯓꯍꯩꯅꯗ
oxychloride 50% ꯒ꯭ꯔꯥꯝ ꯑꯅꯤ ꯏꯁꯤꯡ ꯂꯤꯆꯔ ꯈꯨꯗꯤꯡꯗ ꯌꯥꯜꯂꯒ
ꯄꯦꯔꯦ ꯁꯤꯖꯤꯟꯅꯔꯒ ꯆꯥꯏꯊꯣꯛꯄꯁꯨ ꯌꯥꯏ꯫
ꯄꯥꯎꯗꯔꯤ ꯃꯤꯜꯗꯤꯎ : ꯃꯅꯥ ꯑꯃꯁꯨꯡ ꯃꯎꯁꯤꯡꯗ ꯑꯄꯤꯛꯄ ꯑꯉꯧꯕ
ꯅꯠꯇ꯭ꯔꯒ ꯉꯧꯔꯨꯅꯕ ꯗꯥꯒꯁꯤꯡ ꯂꯩꯔꯝꯕꯗꯒꯤ ꯃꯆꯤ-ꯃꯆꯤꯗ ꯂꯩꯔꯝꯕꯗꯒꯤ
ꯃꯅꯥ ꯑꯃꯁꯨꯡ ꯃꯎ ꯄꯨꯝꯕ ꯀꯨꯞꯁꯤꯟꯈꯤꯕ ꯊꯦꯡꯅꯒꯅꯤ꯫ ꯃꯄꯨꯡ ꯐꯥꯗ꯭ꯔꯤꯕ
ꯃꯅꯥꯁꯤꯡꯅ ꯀꯦꯜꯂꯤ ꯑꯃꯁꯨꯡ ꯃꯍꯩꯁꯤꯡꯗꯨ ꯆꯥꯎꯗꯝ ꯊꯤꯜꯂꯤ꯫ ꯅꯨꯡꯁꯤꯠꯇ
ꯏꯁꯤꯡ ꯃꯅꯤꯜꯒꯤ ꯆꯥꯡ ꯋꯥꯡꯂꯕꯗꯤ ꯂꯥꯏꯅꯥ ꯑꯁꯤ ꯁꯥꯊꯤꯕꯒꯤ ꯆꯥꯡ
ꯍꯦꯟꯒꯠꯂꯛꯏ꯫

sEeq wkAqp: Myclobutanil 10% WP xDjkA 6
ꯏꯁꯤꯡ ꯂꯤꯇꯔ 15 ꯈꯨꯗꯤꯡꯗ ꯌꯥꯜꯂꯒ ꯃꯅꯥꯁꯤꯡ ꯆꯣꯠꯅꯕ ꯀꯥꯞꯊꯣꯛꯄꯅꯤ꯫
ꯅꯠꯇ꯭ꯔꯒ Sulphur 80% ꯒ꯭ꯔꯥꯝ 25 ꯏꯁꯤꯡ ꯂꯤꯇꯔ 15 ꯈꯨꯗꯤꯡꯗ
ꯌꯥꯜꯂꯒ ꯀꯥꯞꯊꯣꯛꯀꯅꯤ꯫ ꯃꯁꯤ ꯅꯠꯇ꯭ꯔꯒꯁꯨ Karathane (Dinocap)
ꯃꯤꯂꯤꯂꯤꯇꯔ 7 ꯏꯁꯤꯡ ꯂꯤꯇꯔ 15 ꯈꯨꯗꯤꯡꯗ ꯌꯥꯟꯁꯤꯜꯂꯒ ꯀꯥꯞꯊꯣꯛꯄ ꯌꯥꯏ꯫

ꯁ) ꯏꯁꯤꯡ ꯁꯤꯖꯤꯟꯅꯕ
1) ꯁꯥꯕꯒꯤ ꯆꯥꯡꯁꯤ 70ꯦꯊ ꯂꯩꯕ ꯃꯇꯝꯗ ꯃꯆꯤꯟꯖꯥꯛ ꯀꯦꯖꯤ 1
ꯆꯥꯕ ꯃꯇꯝꯗ ꯏꯁꯤꯡ ꯂꯤꯇꯔ 2 ꯊꯛꯏ ꯃꯔꯝ ꯑꯁꯤꯅ 75ꯦꯊ ꯗꯒꯤ
ꯑꯃꯃꯝ ꯍꯦꯟꯕ ꯈꯨꯗꯤꯡꯒꯤ ꯏꯁꯤꯡꯒꯤ ꯆꯥꯡꯁꯤ ꯆꯥꯗ 4 ꯒꯤ ꯆꯥꯡꯗ ꯍꯦꯟꯅ
ꯍꯥꯞꯄꯤꯒꯅ ꯀꯔꯤꯒꯨꯝꯕ ꯁꯥꯕꯒꯤ ꯆꯥꯡꯁꯤ 95ꯦꯊ ꯌꯧꯈ꯭ꯔꯒꯗꯤ ꯏꯁꯤꯡꯒ
ꯃꯆꯤꯟꯖꯥꯛꯀꯤ ꯆꯥꯡꯁꯤ 4:1 ꯒꯤ ꯆꯥꯡꯗ ꯄꯤꯊꯛꯀꯅꯤ
2) ꯌꯥꯝꯅ ꯁꯥꯏ ꯍꯥꯏꯗꯨꯅ ꯇꯗꯅꯅꯚꯅ ꯇꯥ ꯊꯝꯕ ꯏꯁꯤꯡ ꯈꯛ
ꯄꯤꯊꯛꯄꯤꯔꯣꯏꯗꯕꯅꯤ
3) ꯁꯥꯕ ꯃꯇꯝꯗꯗꯤ ꯌꯦꯟꯁꯤꯡꯁꯤ ꯏꯁꯤꯡ ꯌꯥꯝꯅ ꯊꯛꯏ
ꯀꯔꯤꯒꯨꯝꯕ ꯃꯇꯝꯗ ꯏꯁꯤꯡꯗ ꯍꯤꯗꯥꯛ ꯌꯥꯟꯁꯤꯜꯂꯒ ꯄꯤꯊꯛꯄꯁꯨ \
ꯥꯎꯏ ꯍꯥꯏꯔꯤꯕ ꯍꯤꯗꯥꯛꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯆꯥꯡꯁꯤ ꯍꯟꯊꯅ ꯍꯥꯞꯄꯤꯒꯅꯤ
ꯃꯁꯤꯅ ꯍꯤꯗꯥꯛꯀꯤ Toxicity ꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯍꯟꯂꯤ꯫
ꯂ) ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯖꯕ:
1) ꯌꯥꯝꯅ ꯁꯥꯕ ꯃꯇꯝꯗ ꯃꯆꯤꯟꯖꯥꯛ ꯄꯤꯖꯕꯤꯔꯣꯏꯗꯕꯅꯤ, ꯅꯣꯡꯃꯗ
ꯑꯌꯨꯛꯇ ꯑꯃ ꯅꯨꯃꯤꯗꯥꯡ ꯋꯥꯏꯔꯝꯗ ꯑꯃꯒ ꯄꯤꯖꯕꯤꯒꯅꯤ
2) ꯌꯥꯝꯅ ꯁꯥꯕ ꯃꯇꯝꯗ ꯃꯐꯣꯟꯒꯤ ꯁꯔꯨꯛ ꯄꯤꯖꯕꯒ ꯈꯔꯥ
ꯆꯣꯠꯍꯟꯂꯒ ꯄꯤꯖꯕ ꯌꯦꯡꯅꯕꯗ ꯑꯆꯣꯠꯄꯅ ꯍꯦꯟꯅ ꯆꯥꯏ ꯃꯔꯝ
ꯑꯁꯤꯅ ꯑꯆꯣꯠꯄ ꯃꯆꯤꯟꯖꯥꯛ ꯑꯣꯏꯅ ꯄꯤꯖꯕꯤꯒꯅꯤ ꯑꯃꯗꯤ ꯅꯨꯃꯤꯗꯥꯡꯗ
ꯂꯦꯝꯂꯝꯕ ꯑꯆꯣꯠꯄ ꯃꯆꯤꯟꯖꯥꯛꯇꯨ ꯅꯣꯡꯉꯥꯟꯕꯗ ꯄꯨꯟꯁꯤꯟꯅ
ꯊꯥꯕꯤꯔꯣꯏꯗꯕꯅꯤ ꯃꯗꯨ ꯍꯨꯟꯗꯣꯛꯄꯤꯒꯅꯤ꯫
3) ꯌꯥꯝꯅ ꯁꯥꯕ ꯃꯇꯝꯗꯗꯤ Carbohydrate ꯀꯤ ꯆꯥꯡ ꯌꯥꯝꯅ ꯋꯥꯡꯅ \
ꯥꯎꯕ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯍꯥꯏꯔꯕꯗ, ꯆꯨꯖꯥꯛ, ꯆꯒꯦꯝ, ꯆꯦꯡꯀꯨꯞ ꯑꯁꯤꯅꯆꯤꯡꯕꯗꯒꯤ
ꯆꯥꯡ ꯆꯥꯗ 15% ꯍꯟꯊꯔꯒ ꯄ꯭ꯔꯣꯇꯤꯟ Protein (ꯊꯥꯎꯊꯤ, ꯉꯥꯀꯨꯞ) Mineral
ꯑꯃꯗꯤ Vitamin ꯒꯤ ꯆꯥꯡ 10% ꯍꯦꯟꯒꯠꯍꯟꯕꯤꯒꯅꯤ꯫
ꯎꯆꯤ ꯃꯊꯤ (Pellet ꯊꯅꯅꯛ) ꯃꯥꯟꯕ ꯃꯆꯤꯟꯖꯥꯛꯁꯤꯡ
ꯐꯨꯠꯇꯣꯛꯂꯒ ꯁꯦꯝꯕꯅꯤꯅ ꯃꯥꯒꯤ ꯜꯡꯖꯗꯍꯨꯡꯃꯦ ꯦꯍꯃꯛ ꯇꯨ ꯍꯟꯊꯩ ꯃꯔꯝ
ꯑꯁꯤꯅ ꯁꯥꯕ ꯃꯇꯝꯗꯤ Pellet ꯇꯅꯅꯛ ꯑꯁꯤꯒꯤ ꯄꯤꯖꯕꯅ ꯆꯥꯕꯒꯤ ꯆꯥꯡ
ꯍꯦꯟꯒꯠꯍꯟꯂꯤ
ꯃ) ꯍꯤꯗꯥꯛ ꯁꯤꯖꯤꯟꯅꯕ:
1) ꯅꯨꯃꯤꯠ ꯌꯨꯡꯕ ꯃꯇꯝꯗ 10 ꯤꯂ glucose/100 ꯂꯦ
ꯏꯁꯤꯡꯗ ꯍꯥꯞꯄꯤꯔꯒ ꯄꯤꯊꯛꯄ ꯇꯉꯥꯏ ꯐꯗꯦ꯫

2) ꯃꯆꯤꯟꯖꯥꯛ ꯀꯦꯖꯤ 100 ꯈꯨꯗꯤꯡꯒꯤ ꯆꯅꯝ ꯒ꯭ꯔꯥꯝ 300 ꯍꯥꯞꯄꯤꯔꯒ
ꯄꯤꯖꯕꯤꯔꯒꯗꯤ ꯁꯥꯕꯗꯒꯤ Stroke ꯇꯧꯕꯒꯤ ꯆꯥꯡ ꯍꯟꯊꯍꯟꯂꯤ꯫
ꯅꯤꯡꯊꯤꯅ ꯆꯦꯛꯁꯤꯟꯅ ꯁꯦꯟꯅꯕꯤꯔꯒꯗꯤ ꯌꯦꯟꯁꯤꯡ ꯑꯁꯤ ꯑꯩꯈꯣꯏꯅ
ꯁꯥꯕꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯂꯒ ꯍꯦꯟꯅ ꯁꯦꯟꯗꯣꯡ ꯂꯩꯅ ꯌꯣꯛꯄ ꯉꯝꯒꯅꯤ꯫

ꯀꯤꯂꯣ ꯑꯃꯗ ꯇ꯭ꯔꯥꯏꯀꯣꯗꯔꯃꯥ ꯌꯥꯎꯕ ꯍꯤꯗꯥꯛ ꯃꯐꯣꯜ ꯑꯁꯤ ꯒ꯭ꯔꯥꯝ
8-10 ꯐꯥꯎꯕ ꯇꯣꯠꯍꯧꯕ ꯐꯩ꯫ ꯑꯇꯣꯞꯄ ꯃꯇꯝ-ꯃꯇꯝꯒꯤ ꯑꯣꯏꯅ
ꯇꯥꯔꯛꯄ ꯂꯥꯏꯅꯥ ꯇꯤꯜꯅꯥꯗꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕ ꯑꯈꯪ-ꯑꯍꯩ ꯃꯇꯝ ꯆꯥꯅ
ꯇꯥꯅꯕꯤꯒꯅꯤ꯫
ꯂꯣꯛꯄ : ꯑꯇꯦꯛꯄ ꯁꯤꯡ ꯑꯣꯏꯅ ꯂꯣꯛꯅꯕꯒꯤꯗꯃꯛ
ꯊꯥꯕꯗꯒꯤ ꯅꯨꯃꯤꯠ 180-185 ꯅꯤꯗ ꯂꯣꯛꯄ ꯌꯥꯏ ꯑꯀꯪꯕ
ꯁꯤꯡꯒꯤꯗꯃꯛ ꯑꯣꯏꯔꯕꯗꯤ ꯊꯥꯕꯗꯒꯤ ꯅꯨꯃꯤꯠ 240-250 ꯅꯤ
ꯐꯥꯎꯕꯗ ꯃꯅꯥ ꯅꯥꯄꯨ ꯆꯪꯕ ꯅꯠꯇ꯭ꯔꯒ ꯀꯪꯂꯕ ꯃꯇꯝꯗ ꯂꯣꯛꯄꯤꯒꯅꯤ꯫
ꯃꯁꯤꯗꯒꯤ ꯊꯦꯡꯊꯅ ꯂꯣꯛꯄꯅ ꯁꯤꯡꯒꯤ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯍꯟꯅ \

ꯥꯎꯒꯅꯤ ꯑꯃꯁꯨꯡ ꯁꯤꯡꯒꯤ ꯚꯣꯂꯦꯇꯥꯏꯜ ꯑꯣꯏꯜ ꯃꯥꯡꯕ ꯍꯦꯜꯂꯤ
ꯂꯣꯏꯅꯅ ꯁꯤꯡꯒꯤ ꯃꯒꯨꯟ ꯍꯟꯊꯩ꯫ ꯁꯤꯡꯁꯤꯡ ꯑꯗꯨ ꯇꯥꯟꯊꯣꯛꯂꯕ
ꯃꯇꯨꯡꯗ ꯅꯤꯡꯊꯤꯅ ꯆꯥꯝꯊꯣꯛꯂꯒ ꯅꯨꯡꯁꯥꯗ ꯅꯣꯡꯃ ꯐꯧꯕꯤꯒꯅꯤ꯫
ꯊꯥꯅꯅꯕ ꯃꯅꯥꯎ ꯈꯥꯛꯄ: ꯃꯁꯥ ꯃꯎ ꯐꯕꯥ ꯃꯅꯥꯎ ꯈꯜꯂꯒ ꯏꯁꯤꯡ
ꯂꯤꯇꯔ ꯑꯃꯒꯤ ꯆꯥꯡꯗ quinalphos 25% ꯃꯤꯂꯤꯂꯤꯇꯔ 4 ꯒ
ꯂꯣꯏꯅꯅ mancizeb 75% ꯤꯗꯃꯂ 2.5-3 ꯌꯥꯜꯂꯕ ꯏꯁꯤꯡꯗ
ꯄꯨꯡꯈꯥꯏ ꯑꯃ ꯇꯤꯡꯂꯒ ꯎꯔꯨꯝꯗ ꯀꯪꯍꯜꯂꯕ ꯃꯇꯨꯡꯗ ꯂꯩꯅꯨꯡꯗ
ꯐꯨꯝꯂꯕ ꯊꯝꯈꯤꯕꯥ ꯌꯥꯔꯦ꯫ ꯐꯨꯝꯈ꯭ꯔꯕ ꯁꯤꯡ ꯆꯥꯅꯅꯕ ꯁꯤꯖꯤꯟꯅꯗꯅꯕ
ꯆꯦꯛꯁꯤꯟꯕꯤꯒꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯊꯝꯈꯤꯕ ꯃꯅꯥꯎꯁꯤꯡ ꯃꯊꯪ ꯆꯍꯤꯗ
ꯑꯐꯕ ꯆꯥꯔꯥ ꯁꯣꯏꯗꯅ ꯑꯣꯏꯕ ꯉꯝꯒꯅꯤ꯫
ꯑꯀꯪꯕꯁꯤꯡ ꯃꯅꯥꯎꯒꯤꯗꯃꯛ ꯀꯔꯝꯅ ꯁꯦꯝ ꯁꯥꯒꯅꯤ: ꯁꯤꯡ
ꯂꯣꯛꯂꯕ ꯃꯇꯨꯡꯗ ꯏꯁꯤꯡꯗ ꯄꯨꯡ 12 ꯇꯤꯡꯕꯤꯒꯅꯤ ꯂꯣꯏꯅꯅ
ꯁꯦꯡꯅ ꯆꯥꯝꯊꯣꯛꯄꯤꯒꯅꯤ꯫ ꯃꯇꯨꯡꯗ ꯁꯤꯡꯒꯤ ꯃꯀꯨꯁꯤꯡ ꯑꯗꯨ
ꯃꯅꯥꯎꯁꯤꯡ ꯑꯃꯒ ꯑꯃꯒ ꯇꯛꯅꯗꯨꯅ ꯅꯠꯇ꯭ꯔꯒ ꯑꯇꯣꯞꯄ
ꯎꯄꯥꯏ ꯁꯤꯖꯤꯟꯅꯗꯨꯅ ꯂꯧꯊꯣꯛꯄꯤꯒꯅꯤ ꯑꯃꯁꯨꯡ ꯁꯦꯡꯅ
ꯆꯥꯝꯊꯣꯛꯄꯤꯒꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯆꯥꯝꯊꯣꯛꯂꯕ ꯃꯅꯥꯎꯁꯤꯡ ꯑꯗꯨ
ꯅꯨꯡꯁꯥꯗ ꯅꯨꯃꯤꯠ 7-8 ꯅꯤ ꯐꯧꯕꯤꯒꯅꯤ꯫ ꯁꯤꯡꯁꯤꯡꯗ ꯄꯛꯄ
ꯑꯃꯣꯠꯄꯁꯤꯡ ꯅꯤꯡꯊꯤꯅ ꯇꯛꯊꯣꯛꯇꯨꯅ ꯑꯃꯣꯠ-ꯑꯀꯥꯏ,
ꯎꯐꯨꯜ-ꯋꯥꯏꯐꯨꯜ ꯌꯥꯎꯗꯅꯕ ꯍꯣꯠꯅꯒꯅꯤ꯫ ꯃꯇꯨꯡꯗ ꯁꯨꯅꯨ ꯒ꯭ꯔꯥꯝ
200 ꯏꯁꯤꯡ ꯂꯤꯇꯔ 10 ꯒꯤ ꯆꯥꯡꯗ ꯌꯥꯜꯂꯒ ꯁꯦꯝꯕ ꯁꯨꯅꯨ
ꯃꯍꯤ ꯏꯔꯨꯗꯨꯗ ꯄꯨꯡ 6 ꯇꯤꯡꯕꯤꯒꯅꯤ꯫ ꯃꯇꯨꯡꯗ ꯅꯨꯡꯁꯥꯗ
ꯀꯪꯅ ꯐꯧꯕꯤꯒꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯀꯪꯍꯜꯂꯕ ꯁꯤꯡ ꯃꯅꯥꯎꯁꯤꯡꯒꯤ
ꯃꯅꯨꯡꯗ ꯃꯁꯤꯡ ꯌꯥꯎꯗꯕ ꯑꯀꯪꯕ ꯁꯤꯡꯁꯤꯡ ꯏꯟꯇꯔꯅꯦꯁꯅꯦꯜ
ꯃꯥꯔꯀꯦꯠꯇ ꯌꯥꯝꯅ ꯄꯥꯝꯅꯩ꯫

ꯄꯥꯝꯕꯤ ꯂꯦꯞꯈꯨꯏ ꯈꯨꯏꯊꯕꯤ (Fusarium wilt) : ꯂꯥꯏꯅꯥ
ꯑꯁꯤ ꯄꯛꯂꯕ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ ꯃꯅꯥꯗ ꯂꯩꯔꯤꯕ ꯃꯁꯤꯡꯁꯤꯡ ꯑꯗꯨ ꯅꯥꯄꯨ
ꯁꯥꯔꯛꯄꯒ ꯂꯣꯏꯅꯅ ꯈꯨꯏꯊꯔꯛꯏ꯫ ꯂꯥꯏꯅꯥꯁꯤꯡꯅ ꯅꯥꯔꯕ ꯄꯥꯝꯕꯤꯁꯤꯡꯅ
ꯈꯨꯏꯗ꯭ꯔꯤꯉꯩꯗꯁꯨ ꯆꯥꯎꯕ ꯊꯤꯟꯅ BT! ꯈꯨꯏꯊꯔꯕ ꯄꯥꯝꯕꯤꯗꯨ ꯐꯩꯅ
ꯀꯛꯊꯠꯇꯨꯅ ꯌꯦꯡꯕꯗ ꯃꯆꯤꯟꯖꯥꯛ ꯑꯃꯁꯨꯡ ꯏꯁꯤꯡ ꯄꯨꯊꯣꯛ-ꯄꯨꯁꯤꯟ
ꯊꯧꯔꯤꯕ ꯃꯐꯝꯁꯤꯡꯗꯨ ꯃꯨꯅ ꯃꯨꯅ ꯂꯩꯕ ꯊꯦꯡꯅꯒꯅꯤ꯫
ꯀꯟꯅꯕ ꯄꯥꯝꯕꯩ : ꯂꯥꯏꯅꯥ ꯑꯁꯤ ꯅꯥꯔꯛꯇꯅꯕꯒꯤꯗꯃꯛ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ
ꯃꯔꯨꯗ ꯍꯤꯗꯥꯛ ꯇꯣꯠꯍꯧꯕ ꯐꯩ, (ꯃꯊꯛꯇ ꯄꯟꯖꯈ꯭ꯔꯦ) ꯃꯁꯤ ꯅꯠꯇ꯭ꯔꯒꯁꯨ
Trichoderma ꯒ꯭ꯔꯥꯝ 10 ꯃꯔꯨ ꯀꯤꯂꯣꯒ꯭ꯔꯥꯝ ꯑꯃꯗ ꯇꯣꯠꯍꯧꯕ \
ꯥꯏ꯫ ꯊꯥꯗ꯭ꯔꯤꯉꯩꯗ ꯂꯩꯆꯪ ꯂꯩꯕ ꯈꯣꯏꯗꯣꯛꯇꯨꯅ ꯅꯨꯡꯁꯥ ꯌꯩꯍꯟꯕꯁꯨ ꯀꯥꯟꯅꯒꯅꯤ꯫
ꯃꯅꯥ ꯀꯥꯊꯦꯛꯄꯤ ꯂꯥꯏꯅꯥ (Leaf blight) : ꯀꯣꯟ ꯃꯆꯨ
ꯃꯥꯟꯅ ꯅꯠꯇ꯭ꯔꯒ ꯇꯦꯪꯒꯥꯂꯤꯃꯨꯛ ꯃꯨꯅ ꯗꯥꯒ ꯃꯆꯥ ꯃꯆꯥ ꯂꯩꯔꯝꯕꯗꯒꯤ
ꯁꯝꯖꯤꯟꯅꯔꯛꯇꯨꯅ ꯆꯥꯎꯊꯣꯔꯛꯏ꯫ ꯍꯥꯏꯔꯤꯕ ꯗꯥꯒꯁꯤꯡ ꯑꯁꯤ ꯃꯅꯥꯒꯤ
ꯃꯊꯛ-ꯃꯈꯥ ꯑꯅꯤꯃꯛꯇꯒꯤ ꯎꯕ WIT! ꯗꯥꯒꯁꯤꯡ ꯑꯁꯤꯅ ꯃꯔꯝ
ꯑꯣꯏꯗꯨꯅ ꯃꯄꯨꯡ ꯐꯥꯗ꯭ꯔꯤꯕ ꯃꯅꯥꯁꯤꯡ ꯀꯦꯜꯂꯤ꯫ ꯅꯨꯡꯁꯤꯠꯇ ꯏꯁꯤꯡ
ꯃꯅꯤꯜ ꯌꯥꯝꯅ ꯌꯥꯎꯕꯅ ꯂꯥꯏꯅꯥ ꯑꯁꯤ ꯅꯥꯕ ꯊꯨꯖꯤꯜꯍꯜꯂꯤ꯫
ꯀꯟꯅꯕ ꯄꯥꯝꯕꯩ : ꯅꯥꯔꯕ ꯄꯥꯝꯕꯤꯗꯨ Carbendazim 50%
WP ꯒ꯭ꯔꯥꯝ ꯑꯅꯤ ꯏꯁꯤꯡ ꯂꯤꯇꯔ ꯈꯨꯗꯤꯡꯗ ꯌꯥꯟꯁꯤꯜꯂꯒ ꯀꯥꯞꯊꯣꯛꯄ
ꯌꯥꯏ꯫ ꯃꯁꯤ ꯅꯠꯇꯅ Mancozed 75% ꯒ꯭ꯔꯥꯝ ꯑꯅꯤ ꯏꯁꯤꯡ
ꯂꯤꯇꯔ ꯈꯨꯗꯤꯡꯗ ꯌꯥꯜꯂꯒ ꯀꯥꯞꯊꯣꯛꯀꯅꯤ꯫
ꯃꯅꯥꯒꯤ ꯃꯁꯤꯡꯁꯤꯡ ꯅꯥꯄꯨ ꯆꯪꯂꯛꯄ ꯂꯣꯏꯅꯅ ꯀꯣꯂꯤ ꯁꯨꯡꯖꯤꯟꯕꯤ
(Yellow vein mosaic virus) : aekr mpjgq aKgiKgi
ꯅꯥꯄꯨ ꯃꯆꯨ ꯆꯪꯂꯛꯏ꯫ ꯄꯥꯝꯕꯤꯗꯨ ꯀꯣꯂꯤ ꯁꯨꯡꯁꯤꯟꯕꯗꯧꯅ ꯄꯤꯛꯅ ꯂꯩꯒꯅꯤ꯫
ꯅꯥꯔꯕ ꯄꯥꯝꯕꯤꯗꯨꯗ ꯄꯥꯜꯂꯤꯕ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤꯗꯨꯁꯨ ꯄꯤꯛꯁꯤꯜꯂꯤ ꯑꯃꯁꯨꯡ
ꯅꯥꯄꯨ ꯆꯪꯏ꯫ ꯃꯅꯥ ꯄꯥꯛꯄꯒꯤ ꯆꯥꯡꯁꯨ ꯍꯟꯊꯩ꯫
ꯉꯥꯛꯊꯣꯛꯅꯕ ꯄꯥꯝꯃꯩ : 1) ꯂꯥꯏꯅꯥꯁꯤꯕꯨ ꯉꯥꯛꯊꯣꯛꯆꯕ ꯉꯝꯖꯕ
ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯃꯈꯜ ꯝꯗꯥꯃ anamika ꯊꯥꯕ ꯌꯥꯏ꯫ ꯂꯥꯏꯅꯥ ꯑꯁꯤ
ꯆꯦꯜꯂꯕ ꯄꯥꯝꯕꯤꯁꯤꯡ ꯐꯨꯛꯇꯣꯛꯇꯨꯅ ꯃꯥꯡꯍꯟꯒꯅꯤ꯫ ꯂꯥꯏꯅꯥ ꯑꯁꯤ
ꯁꯟꯗꯣꯛꯂꯤꯕ white ꯇꯦꯧ ꯍꯥꯏꯅ ꯈꯪꯅꯕ ꯇꯤꯜ ꯑꯗꯨ ꯐꯥꯗꯣꯛꯅꯕ ꯌꯦꯜꯂꯣ
ꯄ꯭ꯂꯦꯠꯁꯤꯡ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯏ꯫ ꯅꯠꯇ꯭ꯔꯒ ꯃꯅꯥ ꯃꯁꯤꯡꯗꯒꯤ ꯁꯨꯡꯗ
ꯍꯤꯗꯥꯛ Rishabh ꯪ ꯃꯤꯂꯤꯂꯤꯇꯔ ꯑꯃ ꯏꯁꯤꯡ ꯂꯤꯇꯔ ꯈꯨꯗꯤꯡꯗ
ꯌꯥꯜꯂꯒ ꯀꯥꯞꯊꯣꯛꯀꯅꯤ꯫
ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ ꯄꯥꯝꯕꯤꯗ ꯇꯥꯔꯤꯕ ꯇꯤꯜꯁꯤꯡ ꯍꯥꯠꯅꯕꯒꯤꯗꯃꯛ ꯇꯤꯜ
okGw ZAq sOdWkT Beauveria bassiana (Myco-Jall
10% SL) ꯃꯤꯂꯤꯂꯤꯇꯔ ꯑꯅꯤ ꯑꯁꯤꯡ ꯂꯤꯇꯔ ꯈꯨꯗꯤꯡꯗ ꯌꯥꯜꯂꯒ
ꯅꯨꯃꯤꯠ ꯃꯔꯤ-ꯃꯉꯥꯅꯤ ꯀꯥꯟꯅꯔꯒ ꯀꯥꯞꯊꯣꯛꯀꯅꯤ ꯅꯠꯇ꯭ꯔꯒ ꯚꯦꯂꯦꯟꯗ꯭ꯔꯤ
ꯄꯥꯝꯕꯤꯗ ꯇꯥꯔꯤꯕ ꯇꯤꯜꯥꯤꯡ ꯍꯥꯠꯅꯕꯒꯤꯗꯃꯛ Malathion ꯅꯠꯇ꯭ꯔꯒ
Rishabh ꯪ ꯁꯤꯖꯤꯟꯅꯕ ꯌꯥꯏ꯫ ꯅꯠꯇ꯭ꯔꯒꯁꯨ Cypermethrin
10% ꯃꯤꯂꯤꯂꯤꯇꯔ 15 ꯏꯁꯤꯡ ꯂꯤꯇꯔ 15 ꯈꯨꯗꯤꯡꯗ ꯌꯥꯜꯂꯒ
ꯀꯥꯞꯊꯣꯛꯀꯅꯤ꯫

ꯃꯍꯩ ꯄꯥꯟꯕ ꯍꯧꯔꯛꯂꯕ ꯑꯣꯏꯔꯒꯗꯤ Myco-Jaal ꯅꯠꯇ꯭ꯔꯒ
Rishabh ꯪ ꯅꯠꯇ꯭ꯔꯒ Cypermethrin ꯁꯤꯖꯤꯟꯅꯕ ꯐꯩ꯫

ꯂꯝꯕꯤꯊꯣꯡ ꯁꯦꯝꯒꯠꯄ ꯋꯥꯠꯄ
ꯈꯔꯥ ꯍꯦꯟꯅ ꯁꯣꯠꯊꯔꯤꯕ ꯃꯐꯝꯁꯤꯡꯗ ꯃꯤꯠꯌꯦꯡ ꯊꯝꯁꯤ
ꯃ ꯂꯩꯍꯕꯥꯛ ꯑꯃ ꯅꯠꯇ꯭ꯔꯒ ꯁ꯭ꯇꯦꯠ ꯑꯃꯕꯨ ꯆꯥꯎꯈꯠꯄꯒꯤ ꯊꯥꯛꯇ ꯄꯨꯈꯠꯄ
ꯑꯃꯁꯨꯡ ꯃꯤꯆꯝ-ꯃꯤꯌꯥꯝꯒꯤ ꯄꯨꯟꯁꯤꯔꯣꯜꯗ ꯑꯃꯒ ꯑꯃꯒ ꯍꯦꯟꯅ
ꯅꯛꯁꯤꯟꯅꯕ ꯃꯔꯤ ꯊꯝꯅꯕ ꯍꯣꯠꯅꯕꯗ ꯆꯪꯂꯤꯕ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯍꯦꯟꯅ ꯃꯔꯨ ꯑꯣꯏꯔꯤꯕ ꯃꯆꯥꯛꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗ ꯑꯃ ꯄꯟꯕ ꯇꯥꯔꯕꯗꯤ ꯂꯝꯕꯤ-ꯊꯣꯡ ꯅꯤꯡꯊꯤꯅ ꯁꯦꯝꯖꯤꯟ-ꯁꯥꯖꯤꯟꯕ ꯍꯥꯏꯕꯁꯤ꯫ ꯃꯅꯄꯨꯔꯗ ꯍꯧꯈꯤꯕ ꯆꯍꯤ 50 ꯍꯦꯟꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯃꯊꯪ-ꯃꯊꯪ ꯂꯩꯔꯛꯈꯤꯕ ꯂꯩꯉꯥꯛꯅ ꯂꯝꯕꯤ-ꯊꯣꯡ ꯃꯇꯤꯛ ꯆꯥꯅ ꯁꯦꯝꯖꯤꯟ-ꯁꯥꯖꯤꯟꯗꯨꯅ ꯈꯨꯟꯅꯥꯏ ꯑꯁꯤꯗ ꯂꯩꯃꯤꯟꯅꯔꯤꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯅ ꯈꯣꯡꯍꯥꯏ ꯆꯥꯅ ꯍꯤꯡꯅꯕ ꯍꯣꯠꯅꯕꯒꯤ ꯆꯥꯡ \ꯥꯝꯅ ꯅꯦꯝꯅ ꯂꯥꯛꯏ꯫ ꯂꯩꯉꯥꯛ ꯑꯃ ꯑꯣꯏꯕꯒꯤ ꯃꯇꯤꯛ ꯄꯥꯏꯈꯠꯄ ꯊꯕꯛ ꯊꯧꯔꯝꯁꯤꯡꯒꯤ
ꯃꯅꯨꯡ ꯆꯟꯅ ꯂꯝꯕꯤꯊꯣꯡꯒꯤ ꯃꯇꯥꯡꯗ ꯍꯛꯆꯤꯟꯕ ꯃꯤꯠꯌꯦꯡ ꯊꯝꯕ ꯋꯥꯠꯂꯤ ꯍꯥꯏꯕꯅꯤ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯀꯦꯄꯤꯇꯦꯜ ꯑꯣꯏꯕꯗ ꯅꯠꯇꯅ ꯂꯂꯣꯟ-ꯏꯆꯤꯛ ꯍꯕ ꯑꯣꯏꯔꯤꯕ ꯏꯝꯐꯥꯜ ꯃꯅꯨꯡ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯒꯤ ꯑꯀꯣꯏꯕ ꯃꯐꯝꯁꯤꯡꯗ ꯂꯩꯔꯤꯕ ꯐꯥꯎꯅ ꯂꯝꯕꯤ ꯀꯌꯥ ꯅꯤꯡꯊꯤꯅ ꯑꯃꯗꯤ ꯃꯤꯌꯥꯝꯒꯤ ꯑꯄꯦꯟꯕ ꯍꯥꯏꯕꯗꯨ ꯌꯧꯅ ꯁꯦꯝꯖꯤꯟ-ꯁꯥꯖꯤꯟꯕꯤꯔꯛꯇꯕꯗꯒꯤ ꯂꯝꯕꯤ ꯊꯤꯡꯖꯤꯟꯕ ꯀꯌꯥ ꯌꯥꯎꯈ꯭ꯔꯦ꯫ ꯃꯌꯣꯜ ꯂꯝ ꯑꯣꯏꯔꯤꯕ ꯏꯝꯐꯥꯜ ꯁꯤꯇꯤꯒꯤ ꯀꯩꯁꯥꯝꯄꯥꯠ ꯊꯣꯡꯗꯒꯤꯅ ꯋꯥꯍꯦꯡꯕꯝ ꯂꯩꯀꯥꯏ ꯇꯥꯕ ꯂꯝꯕꯤ ꯑꯁꯤ ꯅꯣꯡ ꯈꯖꯤꯛꯇꯪ ꯇꯥꯕꯗ ꯉꯥ ꯌꯣꯛꯄ
ꯌꯥꯕ ꯄꯨꯈ꯭ꯔꯤꯒꯨꯝꯅ ꯏꯁꯤꯡ ꯇꯨꯡꯁꯤꯟꯕ ꯀꯣꯝꯖꯥꯎ ꯀꯌꯥ ꯂꯩꯕꯅ ꯈꯣꯡꯅ ꯆꯠꯄ ꯅꯠꯇ꯭ꯔꯒ ꯏꯟꯖꯤꯟ ꯄꯥꯟꯕ ꯒꯥꯔꯤ ꯀꯌꯥ ꯊꯧꯕꯗ ꯑꯦꯛꯁꯤꯗꯦꯟꯠ ꯊꯣꯛꯅꯤꯉꯥꯏ ꯑꯣꯏꯔꯦ꯫ ꯂꯝꯕꯤ
ꯃꯇꯦꯛ ꯑꯁꯤꯗꯪ ꯈꯨꯗꯝ ꯑꯣꯏꯅ ꯄꯟꯕꯒꯤ ꯋꯥꯅꯤ, ꯁꯤꯇꯤ ꯑꯁꯤꯒꯤ ꯃꯔꯨꯑꯣꯏꯕ ꯑꯌꯥꯝꯕ ꯂꯝꯕꯤꯁꯤꯡꯒꯤ ꯐꯤꯚꯝ ꯀꯔꯤ ꯑꯣꯏꯔꯤꯕꯒꯦ ꯍꯥꯏꯕꯗꯨ ꯁꯤꯇꯤ ꯑꯁꯤꯃꯛꯇꯗ ꯂꯩꯔꯤꯕ ꯂꯩꯉꯥꯛꯀꯤ ꯃꯤꯑꯣꯏꯁꯤꯡꯅ ꯃꯤꯠꯌꯦꯡ ꯇꯥꯕꯤꯌꯨ꯫ ꯃꯔꯛꯁꯤꯗ ꯆꯥꯎꯈꯠ-ꯊꯧꯔꯥꯡꯒ ꯃꯔꯤ ꯂꯩꯅꯅ ꯁꯦꯝꯒꯠ-ꯁꯥꯒꯠꯄꯗ ꯂꯣꯏꯁꯤꯜꯂꯕ ꯁꯔꯨꯛꯁꯤꯡ ꯅꯤꯡꯊꯤꯅ ꯁꯦꯝꯖꯤꯟ-ꯁꯥꯖꯤꯟꯕꯤꯗꯕꯗꯒꯤ ꯎꯈꯨꯜ ꯕ꯭ꯔꯣꯡ ꯕ꯭ꯔꯣꯔ ꯍꯧꯗꯨꯅ, ꯈꯥꯡꯍꯥꯏ ꯆꯥꯗꯕ ꯃꯐꯝ ꯑꯣꯏꯗꯨꯅ ꯂꯩꯔꯤ ꯍꯥꯏꯕꯁꯤ ꯉꯥꯛꯁꯦꯟꯕꯒꯤ ꯑꯀꯟꯕ ꯆꯦꯛꯁꯤꯟ ꯊꯧꯔꯥꯡꯒ ꯂꯣꯏꯅꯅ ꯃꯇꯤꯛ-ꯃꯌꯥꯏ ꯆꯦꯟꯅ ꯍꯤꯡꯂꯤꯕ ꯂꯩꯉꯥꯛꯂꯣꯏꯁꯤꯡꯅ ꯊꯦꯡꯅꯕꯤꯗꯕ꯭ꯔꯥ ꯍꯥꯏꯕ ꯋꯥꯐꯝ
ꯊꯃꯣꯏ ꯁꯣꯛꯅ ꯍꯪꯅꯤꯡꯕ ꯄꯣꯛꯏ꯫ ꯑꯅꯤꯁꯨꯕ ꯃꯥꯂꯦꯝꯒꯤ ꯂꯥꯟꯖꯥꯎ ꯃꯅꯨꯡꯗ ꯕ꯭ꯔꯤꯇꯤꯁꯅ ꯁꯦꯝꯒꯠ-ꯁꯥꯒꯠꯂꯝꯕ ꯅꯠꯇꯅ ꯃꯤꯌꯥꯝꯒꯤ ꯃꯤꯍꯨꯠꯁꯤꯡꯅ ꯁꯦꯝꯕ ꯂꯩꯉꯥꯛꯅ ꯑꯅꯧꯕ ꯈꯣꯡꯍꯥꯏ ꯆꯥꯕ ꯐꯥꯎꯅ ꯂꯝꯕꯤ ꯁꯦꯝꯕ ꯌꯥꯎꯔꯝꯈꯤꯔꯣꯏ ꯍꯥꯏꯕꯁꯤ ꯂꯥꯟꯒꯗꯕ ꯃꯥꯟꯗꯦ꯫

ꯀꯟꯇ꯭ꯔꯦꯛꯇꯔꯁꯤꯡꯒꯤ ꯈꯨꯠꯊꯥꯡꯗ ꯁꯦꯝꯒꯠꯂꯤꯕ ꯂꯝꯕꯤ ꯀꯌꯥꯒꯤ ꯂꯩꯐꯝ ꯊꯣꯛꯄ ꯀ꯭ꯋꯥꯂꯤꯇꯤ ꯑꯗꯨ ꯃꯔꯤ ꯂꯩꯅꯕ ꯏꯟꯖꯤꯅꯤꯌꯔꯁꯤꯡꯅ ꯀꯨꯞꯁꯦꯟ ꯁꯦꯟꯅꯗꯨꯅ \ꯦꯡꯁꯤꯟꯕꯤꯗꯕꯅ ꯃꯇꯝ ꯀꯨꯏꯅ ꯆꯠꯇꯕ ꯑꯣꯟꯊꯣꯛꯅ ꯌꯥꯝꯈ꯭ꯔꯦ꯫ ꯂꯩꯉꯥꯛꯂꯣꯏꯁꯤꯡꯒꯤ ꯃꯤꯠꯃꯥꯡꯃꯛꯇꯗ ꯂꯩꯔꯤꯕ ꯏꯝꯐꯥꯜ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯒꯤ ꯑꯀꯣꯏꯕ ꯃꯐꯝꯁꯤꯡꯗ ꯐꯥꯎꯕ ꯑꯁꯨꯛ ꯄꯦꯟꯅꯗꯕ ꯂꯩꯔꯒ ꯑꯇꯩ ꯃꯅꯨꯡ ꯍꯨꯟꯖꯤꯟꯕ ꯔꯨꯔꯦꯜ ꯑꯦꯔꯤꯌꯥꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯆꯤꯡꯒꯤ ꯂꯝꯗꯝꯗꯗꯤ ꯀꯔꯤ ꯑꯣꯏꯔꯝꯒꯗꯒꯦ ꯈꯟꯅꯅꯤꯉꯥꯏꯅꯤ꯫ ꯈꯨꯡꯒꯪꯒꯤ ꯂꯝꯗ ꯂꯩꯔꯤꯕ ꯏꯟꯇꯔ ꯚꯤꯂꯦꯖ ꯔꯣꯗꯁꯤꯡ ꯁꯦꯝꯖꯤꯟ-ꯁꯥꯖꯤꯟꯅꯕ ꯑꯈꯟꯅꯕ ꯁꯦꯟꯐꯝ
ꯂꯩꯔꯒꯁꯨ ꯀꯔꯝꯅ ꯃꯦꯅꯦꯖ ꯇꯧꯔꯤꯕꯒꯦ ꯍꯪꯕ ꯌꯥꯏ꯫ ꯈꯨꯡꯒꯪ ꯑꯃꯗꯤ ꯆꯤꯡꯒꯤ ꯂꯝꯗꯝꯗ ꯂꯩꯔꯤꯕ ꯈꯨꯟꯖꯥ ꯑꯃꯒ ꯋꯥꯔꯤ ꯁꯥꯕ ꯃꯇꯝꯗ ꯂꯝꯕꯤ-ꯊꯣꯡꯒꯤ ꯋꯥꯐꯝꯁꯤ ꯍꯦꯛ ꯄꯜꯂꯨꯕꯗ ꯂꯩꯉꯥꯛꯇ ꯑꯣꯟꯁꯤꯜꯂꯒ ꯈꯣꯏꯗꯧ ꯆꯤꯛꯄ ꯋꯥꯐꯝ ꯀꯌꯥ ꯁꯣꯏꯗꯅ ꯐꯣꯡꯗꯣꯔꯛꯀꯅꯤ꯫ ꯈꯔꯥ ꯍꯦꯟꯅ ꯈꯣꯡꯍꯥꯏ ꯆꯥꯔꯤꯕ ꯇꯝꯄꯥꯛ ꯂꯝꯗꯝꯒꯤ ꯃꯅꯨꯡ ꯍꯨꯟꯖꯤꯟꯕ ꯃꯐꯝꯁꯤꯡ ꯑꯃꯁꯨꯡ ꯍꯤꯔꯝ ꯈꯨꯗꯤꯡꯗ ꯑꯋꯥꯠꯄꯒꯤ-ꯑꯋꯥꯠꯄ ꯉꯥꯛꯇꯅ ꯄꯤꯛ ꯊꯜꯂꯤꯕ ꯆꯤꯡꯒꯤ ꯂꯝꯗꯝꯗ ꯐꯥꯎꯅ ꯂꯝꯕꯤ ꯁꯦꯝꯒꯠꯅꯕ ꯃꯥꯁꯇꯔ ꯄ꯭ꯂꯥꯟ ꯑꯃ
ꯁꯦꯝꯗꯨꯅ ꯚꯤꯖꯟ ꯌꯥꯎꯅ ꯊꯕꯛ ꯂꯧꯈꯠꯅꯕ ꯑꯆꯦꯠꯄ ꯋꯥꯁꯛ ꯊꯝꯁꯤ꯫ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯃꯅꯨꯡꯗ ꯎꯃꯪ-ꯋꯥꯃꯪ ꯀꯌꯥ ꯂꯩꯔꯤꯕ ꯆꯤꯡꯒꯤ ꯂꯝꯗꯝ ꯑꯃꯗꯤ ꯂꯧꯎꯁꯤꯡꯎꯒꯤ ꯄꯣꯠꯊꯣꯛ ꯄꯨꯊꯣꯛꯄꯗ ꯁꯤꯡꯂꯤ ꯄꯥꯕꯜ ꯊꯣꯛꯅ ꯁꯨ-ꯅꯣꯝꯂꯤꯕ ꯈꯨꯟꯖꯥꯁꯤꯡꯅ ꯂꯩꯔꯤꯕ ꯈꯨꯡꯒꯪꯒꯤ ꯂꯝ ꯆꯥꯎꯈꯠꯇꯅ ꯃꯅꯤꯄꯨꯔ ꯆꯥꯎꯈꯠꯄ ꯌꯥꯔꯣꯏ꯫ ꯆꯞ ꯃꯥꯟꯅꯕ ꯃꯤꯠꯌꯦꯡꯒꯤ ꯃꯈꯥꯗ ꯊꯕꯛ ꯇꯧꯕꯒꯤ ꯇꯉꯥꯏ ꯐꯗꯕ ꯂꯩꯔꯒꯁꯨ ꯈꯔꯥ ꯍꯦꯟꯅ ꯁꯣꯠꯊꯔꯤꯕ ꯃꯐꯝꯁꯤꯡꯗ ꯑꯈꯟꯅꯕ ꯃꯤꯠꯌꯦꯡ ꯊꯝꯗꯨꯅ ꯂꯝꯕꯤ-ꯊꯣꯡ ꯅꯤꯡꯊꯤꯅ ꯁꯦꯝꯒꯠ ꯁꯥꯒꯠꯇꯨꯅ ꯑꯃꯒ ꯑꯃꯒ ꯅꯛꯁꯤꯟꯅꯅꯕꯒꯤ ꯂꯤꯛꯂꯝ ꯂꯩꯔꯕꯇꯗ ꯑꯄꯨꯟꯕ ꯃꯅꯤꯄꯨꯔꯒꯤ ꯁꯛꯇꯝ ꯁꯥꯒꯠꯄꯗ ꯃꯥꯏ ꯄꯥꯛꯀꯅꯤ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ

...ꯑꯦꯗꯤꯇꯔꯗ ꯊꯥꯔꯛꯄ ꯆꯤꯊꯤ...

ꯃꯥꯟꯗꯕ ꯃꯄꯨ ꯏꯀꯥꯏ ꯈꯨꯝꯅꯖꯔꯤꯕ ꯑꯦꯗꯤꯇꯔ,
ꯑꯩꯈꯣꯏ ꯃꯤꯑꯣꯏꯕ ꯑꯣꯏꯅ ꯄꯣꯛꯂꯕ
ꯃꯄꯣꯛ ꯍꯥꯏꯕꯁꯤꯗ ꯊꯧꯗꯣꯛ-ꯋꯥꯊꯣꯛ
ꯑꯃꯗꯤ ꯍꯦꯛ ꯄꯣꯛꯄꯗꯒꯤꯅ ꯁꯤꯔꯕ
ꯃꯇꯨꯡ ꯐꯥꯎꯕꯗ ꯀꯔꯃ ꯀꯌꯥꯃꯔꯨꯝꯒ
ꯁꯥꯒꯣꯟꯅꯗꯨꯅ ꯂꯩꯔꯤ꯫ ꯑꯁꯤꯒꯨꯝꯂꯕ
ꯀꯔꯃꯁꯤꯡꯒꯤ ꯃꯅꯨꯡꯗꯒꯤ ꯁꯪꯀ꯭ꯔꯤꯇꯟ
ꯂꯤꯡꯗꯨꯅ ꯃꯗꯨꯗ ꯃꯥꯟꯗꯕ ꯃꯄꯨ ꯍꯥꯞꯇꯨꯅ
ꯁꯛ ꯁꯣꯜꯂꯕ ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤ ꯃꯥꯟꯗꯕ
ꯃꯄꯨꯒꯤ ꯃꯇꯥꯡ ꯑꯁꯤ ꯊꯣꯏꯗꯣꯛꯅ ꯅꯩꯅꯕꯒꯤ
ꯃꯊꯧ ꯇꯥꯏ꯫ ꯀꯅꯥꯒꯨꯝꯕ ꯑꯃꯅ ꯀꯔꯃ
ꯑꯃꯒꯤꯗꯃꯛ ꯁꯪꯀ꯭ꯔꯤꯇꯟ ꯄꯥꯡꯊꯣꯛꯄ
ꯃꯇꯝꯗ ꯃꯥꯟꯗꯕ ꯃꯄꯨ ꯌꯥꯎꯗꯕ ꯀꯥꯡꯕꯨꯁꯨ
ꯂꯩ꯫ ꯑꯗꯨꯕꯨ ꯑꯗꯨꯒꯨꯝꯕ ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤ
ꯃꯇꯥꯡꯒꯤ ꯃꯥꯟꯗꯕ ꯃꯄꯨ ꯌꯥꯎꯕꯒꯤ ꯃꯇꯥꯡꯗ
ꯊꯝꯖꯅꯤꯡꯕ ꯋꯥꯐꯝꯗꯤ ꯃꯥꯟꯗꯕ ꯃꯄꯨ
ꯍꯥꯏꯔꯕꯗꯤ ꯈꯜꯂꯤꯕ ꯃꯥꯟꯗꯕ ꯑꯗꯨꯒꯤ ꯃꯄꯨ
ꯏꯃꯨꯡꯗꯨꯒꯤ ꯃꯤꯑꯣꯏꯅ ꯑꯣꯏꯐꯝ ꯊꯣꯛꯏ꯫
ꯑꯅꯤꯁꯨꯕꯗ ꯀꯔꯃ ꯃꯄꯨ ꯍꯥꯏꯕꯁꯨ ꯀꯔꯃ
ꯑꯗꯨꯒꯤ ꯃꯄꯨ ꯌꯨꯝꯗꯨꯒꯤ ꯃꯤꯑꯣꯏ ꯑꯣꯏꯐꯝ
ꯊꯣꯛꯏ꯫ ꯑꯍꯨꯝꯁꯨꯕꯗ ꯁꯪꯀ꯭ꯔꯤꯇꯟ ꯃꯄꯨ
ꯍꯥꯏꯔꯕꯗꯤ ꯅꯣꯡꯃꯗꯨꯒꯤ ꯁꯛ ꯁꯣꯜꯜꯤꯕ
ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤ ꯃꯄꯨ ꯑꯣꯏꯕ ꯖꯖꯃꯦꯟꯠꯒꯤ
ꯊꯧ ꯄꯨꯕ ꯑꯗꯨꯕꯨ ꯈꯪꯅꯐꯝ ꯊꯣꯛꯏ꯫ ꯑꯗꯨꯕꯨ
ꯑꯩꯈꯣꯏꯒꯤ ꯆꯠꯅꯕꯤꯅꯗꯤ 'ꯃꯥꯟꯗꯕ ꯃꯄꯨ
ꯃꯥꯟꯗꯕ ꯃꯄꯨ' ꯍꯦꯛꯇ ꯍꯥꯏꯅꯩ ꯃꯁꯤꯕꯨ
ꯆꯨꯝꯂꯤꯕꯔꯥ ꯂꯥꯜꯂꯤꯕꯔꯥ ꯍꯥꯏꯕꯗꯨꯗꯤ ꯂꯩꯕꯥꯛ ꯃꯤꯌ
ꯥꯝꯒꯤ ꯃꯐꯝꯗ ꯊꯝꯖꯔꯤ꯫ ꯃꯇꯥꯡ ꯑꯁꯤꯗ
ꯃꯁꯤꯗꯤ ꯀꯃꯟ ꯏꯔꯔꯁ ꯍꯥꯏꯅ ꯍꯥꯏꯅꯤꯡꯏ꯫

ꯑꯁꯤꯒꯨꯝꯕ ꯃꯤꯌꯥꯝꯅ ꯂꯥꯟꯅ-ꯂꯥꯟꯅ ꯉꯥꯡꯅꯔꯤꯕ
ꯀꯌꯥ ꯑꯁꯤ ꯆꯨꯊꯣꯛꯇꯨꯅ ꯉꯥꯡꯂꯨꯔꯕꯁꯨ ꯉꯁꯤꯒꯤ
ꯈꯨꯟꯅꯥꯏ ꯑꯁꯤꯒꯤ ꯆꯠꯅꯕꯤꯅ ꯃꯤꯌꯥꯝꯅ
ꯑꯉꯥꯡꯎꯕꯅꯤ ꯍꯦꯛꯇ ꯍꯥꯏꯖꯤꯜꯂꯤ꯫

ꯑꯁꯤꯒꯨꯝꯕ ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤꯗꯃꯛꯇ ꯁꯤꯜꯂꯤ ꯂꯥꯡꯂꯤꯕ ꯀꯥꯡꯕꯨꯅ ꯈꯪꯅꯕꯨ ꯑꯣꯏꯔꯦ
ꯈꯪꯗꯅꯕꯨ ꯑꯣꯏꯔꯦ ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤꯗꯃꯛꯇ
ꯕ꯭ꯔꯝꯍꯟ ꯑꯃꯕꯨ ꯁꯪꯀ꯭ꯔꯤꯇꯟ ꯃꯄꯨ
ꯑꯣꯏꯍꯜꯂꯤ꯫ ꯃꯁꯤ ꯃꯃꯥꯡꯗꯒꯤ ꯆꯠꯅꯗꯨꯅ
ꯂꯥꯛꯂꯤ ꯍꯧꯖꯤꯛꯁꯨ ꯆꯠꯅꯔꯤ꯫ ꯑꯁꯤꯒꯨꯝꯂꯕ

WA ꯑꯁꯤꯒꯤꯗꯃꯛꯇ ꯕ꯭ꯔꯝꯍꯟꯅꯤꯕꯨ
ꯍꯥꯏꯔꯕꯗꯤ ꯑꯉꯥꯡ ꯑꯃꯅꯁꯨ ꯍꯦꯛꯇ
WAWA ꯑꯁꯤꯕꯨ ꯄꯨꯍꯜꯂꯤ꯫ ꯑꯗꯨꯕꯨ ꯃꯁꯤ \
ꯦꯡꯕꯗꯗꯤ ꯌꯥꯝꯅ ꯐꯖꯗꯕ ꯑꯃ ꯑꯣꯏꯅ BT!

ꯑꯗꯨꯕꯨ ꯑꯩꯈꯣꯏꯒꯤ ꯆꯠꯅꯕꯤꯅ ꯃꯁꯤ ꯌꯥꯗꯨꯅ ꯆꯠꯅꯗꯨꯅ ꯂꯥꯛꯂꯤ ꯑꯩꯈꯣꯏꯁꯨ ꯃꯥꯕꯨ
ꯏꯀꯥꯏꯈꯨꯝꯅꯗꯨꯅ ꯕꯦꯚꯥꯔ ꯇꯧꯔꯤ꯫ ꯑꯗꯨꯕꯨ
ꯑꯁꯤꯒꯨꯝꯕ WAWA ꯑꯁꯤꯒꯤꯗꯃꯛꯇꯗꯤ
ꯕ꯭ꯔꯝꯍꯟ ꯑꯍꯜ ꯑꯃꯕꯨ ꯑꯣꯏꯍꯟꯕꯗ
ꯅꯠꯇꯅ ꯁꯛ ꯁꯣꯜꯂꯤꯕ ꯊꯧꯔꯝ ꯑꯗꯨꯕꯨ
ꯃꯃꯨꯠ ꯇꯥꯅ ꯈꯪꯕ ꯕ꯭ꯔꯝꯍꯟ ꯑꯣꯏꯍꯟꯐꯝ
ꯊꯣꯛꯏ꯫ ꯃꯍꯥꯛ ꯑꯗꯨꯒꯤ ꯗꯥꯏꯇ ꯑꯁꯤ \
ꯥꯝꯅ ꯆꯥꯎꯏ꯫ ꯂꯣꯏꯅꯅ ꯁꯪꯀ꯭ꯔꯤꯇꯟ ꯑꯗꯨꯒꯤ
ꯁꯛ ꯁꯣꯜꯜꯤꯕ ꯑꯗꯨ ꯈꯪꯗꯕ ꯕ꯭ꯔꯝꯍꯟ
ꯑꯉꯥꯡ ꯑꯃꯅ ꯍꯦꯛꯇ ꯁꯪꯀ꯭ꯔꯤꯇꯟ ꯃꯄꯨ
ꯑꯣꯏꯍꯟꯕ ꯍꯥꯏꯕꯁꯤꯗ ꯁꯪꯀ꯭ꯔꯤꯇꯟ
ꯑꯗꯨꯒꯤ ꯁꯛ ꯁꯣꯜꯜꯤꯕ ꯑꯗꯨ ꯈꯪꯗꯕ ꯕ꯭ꯔꯝꯍ
ꯑꯉꯥꯡ ꯑꯗꯨꯗ ꯀꯣꯛ ꯅꯣꯟꯗꯨꯅ ꯈꯨꯔꯨꯝꯕ
ꯃꯇꯝꯗꯁꯨ ꯋꯥꯈꯜꯗ ꯅꯨꯡꯉꯥꯏꯇꯕ ꯄꯣꯛꯏ꯫
ꯃꯇꯥꯡ ꯑꯁꯤꯗ ꯕ꯭ꯔꯝꯍꯟꯁꯤꯡ ꯑꯃꯗꯤ
ꯃꯤꯌꯥꯝꯅ ꯅꯨꯡꯉꯥꯏꯔꯣꯏꯗꯕ ꯃꯇꯥꯡꯒꯤ _
ꯥꯐꯝꯗ ꯊꯝꯖꯅꯤꯡꯂꯤꯕꯗꯤ ꯕ꯭ꯔꯝꯍꯟ ꯑꯗꯨꯅ
ꯑꯉꯥꯡ ꯑꯣꯏꯖꯔꯕꯁꯨ, ꯁꯛ ꯁꯣꯜꯂꯤꯕ ꯑꯗꯨꯕꯨ
ꯐꯖꯅ ꯃꯃꯨꯠ ꯇꯥꯅ ꯈꯪꯕ ꯑꯣꯏꯔꯕꯗꯤ ꯃꯗꯨꯗ
ꯑꯉꯥꯡ-ꯑꯍꯜꯒꯤ ꯋꯥ ꯊꯣꯏꯅ ꯈꯟꯅꯤꯡꯉꯥꯏ
ꯂꯩꯇꯦ꯫ ꯑꯉꯥꯡ ꯑꯣꯏꯖꯔꯕꯁꯨ ꯃꯥꯒꯤ ꯃꯍꯩ
ꯑꯗꯨꯒꯤꯗꯃꯛꯇ ꯑꯩꯈꯣꯏꯅ ꯀꯣꯛ ꯅꯣꯟꯅ
ꯈꯨꯔꯨꯝꯕꯗ ꯑꯀꯥꯏꯕ ꯂꯩꯇꯦ ꯍꯥꯏꯅꯤꯡꯏ꯫ ꯃꯔꯝ ꯑꯁꯤꯅ ꯑꯩꯈꯣꯏꯅ
ꯁꯪꯀ꯭ꯔꯤꯇꯟꯒꯤ ꯅꯨꯡꯒꯤ ꯑꯣꯏꯕ ꯋꯥꯈꯜ
ꯈꯪꯗꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯕꯨ ꯁꯪꯀ꯭ꯔꯤꯇꯟ ꯃꯄꯨ
ꯑꯣꯏꯍꯟꯕ ꯍꯥꯏꯕꯁꯤꯒꯤ ꯃꯇꯥꯡꯗ ꯈꯔꯥ
ꯈꯟꯊꯕ ꯃꯊꯧ ꯇꯥꯏ ꯍꯥꯏꯖꯅꯤꯡꯏ꯫ ꯑꯗꯨꯒꯤꯁꯨ
ꯃꯊꯛꯇ WA ꯑꯗꯨꯒꯤꯗꯃꯛꯇ ꯃꯇꯤꯛ
ꯆꯥꯕ ꯕ꯭ꯔꯝꯍꯟ ꯂꯩꯇ꯭ꯔꯕꯗꯤ ꯃꯐꯝ ꯑꯗꯨ
ꯍꯥꯡꯍꯟꯕꯗ ꯀꯔꯤ ꯀꯥꯏꯔꯤꯕꯒꯦ?
ꯑꯗꯣꯝꯒꯤ,
ꯂꯥꯏꯁ꯭ꯔꯝ ꯃꯅꯥꯎꯌꯥꯏꯃꯥ
ꯅꯝꯕꯣꯜ ꯃꯈꯥ ꯂꯩꯀꯥꯏ
ꯂꯧꯃꯤꯁꯤꯡꯒꯤ ꯀꯥꯈꯜ

- ꯗꯥ : ꯁꯔꯥꯡꯊꯦꯝ ꯖꯦꯁꯃꯥꯔꯥꯅꯤ

- ꯑꯦꯁ ꯁꯨꯃꯪꯒꯣꯜ ꯁꯤꯡꯍ
ꯗꯥ: ꯑꯦꯝ FOTFOT ꯁꯤꯡꯍ