## ᓇᐃᓈᕐᓯᒪᔪᑦ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᑐᐊᐸᖓᓂᒃ ᒪᓂᕋᖓᓂᒃ ᓱᕈᓐᓇᕐᑐᖃᕐᒪᖓᑦ ᖃᐅᔨᓴᐅᑎᑦ ᐊᒻᒪᓗ ᓄᓇᖓᓂᒃ ᒪᓂᕋᖓᓂᒃ ᓴᓗᒻᒪᕐᓴᕐᑕᐅᓯᒪᓂᖓᓂᒃ ᑐᕋᒐᐅᔪᑦ ᓇᓂᓯᕕᒃ ᑐᓚᒃᑕᕐᕕᖓᓄᑦ ᐅᓂᒃᑕᐊᖑᔪᑦ ᐃᑲᔪᑕᐅᓇᓱᒃᓱᑎᒃ ᐊᑦᑕᕐᓇᕋᔭᕐᑐᑦ ᓇᓗᓇᐃᕐᑕᐅᓂᖏᓐᓄᑦ ᐋᕿᒋᐊᖃᕐᑐᓄᑦ ᐅᕐᓱᐊᓗᕈᔪᖃᕐᓂᖏᑦ ᒪᓂᕋᖓᓂᑦᑐᑦ ᑐᐊᐸᐃᓪᓗᓐᓂᑦ ᓄᓇᖓᓂ. ᐅᓂᒃᑕᐊᕆᓯᒪᔪᖅ ᑐᓂᔭᐅᓯᒪᔪᖅ ᓄᓇᕗᑦ ᐃᒥᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ ᒪᓕᒃᑕᐅᓪᓗᑎᒃ ᐊᑐᕆᐊᖃᕐᓂᖏᑦ ᐱᔪᓐᓇᐅᑎᖓᓂ ᓄᓇᕗᑦ ᐃᒥᓕᕆᔨᒃᑯᑦ ᓈᓴᐅᑕ 1AR-NAN1419 ᒪᓕᒋᐊᖃᕐᓂᖏᑦ ᑎᑎᕋᕐᓯᒪᔪᑦ ᒪᓂᕋᕐᒥᑦᑐᖅ ᑐᐊᐸᖓᓂᓗᓐᓂᑦ ᑎᑎᕋᕐᑕᐅᓯᒪᔪᑦ ᐃᓚᖓᓂ ᑭ, ᑎᑎᕋᕐᓯᒪᔪᖅ 11 ᐊᒻᒪᓗ ᐃᓚᖓᓂ ᒥ, ᑎᑎᕋᕐᓯᒪᔪᖅ 12.

ᑕᓐᓇ ᐅᓂᒃᑕᐊᕆᓯᒪᔪᖅ ᑐᑭᓯᓇᕐᓯᑎᑕᐅᒋᐊᕐᓯᒪᓪᓗᑎᒃ ᖃᐅᔨᓴᕐᑕᐅᓯᒪᔪᑦ ᐊᒻᒪᓗ ᑭᒃᓕᓯᓂᐊᕐᑕᐅᓯᒪᔪᑦ ᐊᕿᒃᑕᐅᓯᒪᔪᑦ ᑐᑭᓯᔾᔪᑕᐅᕐᑯᓪᓗᒋᑦ ᖃᓄᑎᒋ ᐅᕐᓱᐊᓗᕈᔪᒃᑕᖃᕐᑎᒋᖓᒪᖓᑦ ᑐᓚᒃᑕᕐᕕᖓᓂ ᒪᓂᕋᖓᓂ ᑐᐊᐸᖓᓂᓪᓗᓐᓂᑦ ᐅᒪᔪᓄᑦ ᐊᑦᑕᕐᓇᑐᐃᓐᓴᕆᐊᖃᕐᓂᖓᓄᑦ.

ᒪᓕᒃᓗᒍ ᖃᓄᑎᒋᕐᓂᖓ ᒪᓂᕋᖓᓂᑦᑐᖅ ᐊᑐᐊᒐᐃᑦ ᒪᓕᒋᐊᓕᑦ, ᖃᓄᑎᒋᓗ ᐱᑕᖃᕐᑎᒋᓂᖓ ᐅᓱᕐᓗᐊᓗᕈᔪᒃ ᒪᓂᕋᖓᓂ ᓇᓂᓯᕕᒃ ᑐᓚᒃᑕᕐᕕᖓᓂ ᐅᕐᓱᖃᐅᑎᒃᑯᕕᕕᓂᐊᓂ ᑐᖓᓂᑦᑐᑦ ᑭᒃᓕᒋᔭᕆᐊᖃᕐᑕᖏᑕ ᐊᑦᑕᕐᓇᕐᓂᐅᓕᕋᔭᕐᓂᖓᑕ ᐃᓄᒃᓄᑦ ᐅᒪᔪᓄᑦᓗ ᐱᕈᕐᑐᓄᑦᓗ ᓄᓇᕋᕐᓄᑦᓗ. ᖃᐅᔨᓴᕐᓂᐅᔪᖅ ᑭᒃᓕᓯᓂᐊᕐᑕᐅᓯᒪᔪᕐᓗ ᖃᐅᔨᓴᕐᓂᐅᔪᑦ ᖃᐅᔨᔭᐅᓇᓱᒃᓗᓂ ᐱᕈᕐᑐᑦ ᒪᓂᕋᕐᒥᐅᑕᐃᓪᓗ ᐱᑕᖃᕐᑎᒋᑎᓪᓗᒍ ᐅᕐᓱᐊᓗᕈᔪᒃ ᐃᒐᓯᐅᑎ, ᒪᓕᒃᓗᒋᑦ ᑲᓇᑕᒥ ᐊᑐᐊᒐᐅᔪᑦ ᑎᑎᕋᕐᓯᒪᔪᑦ (F2). ᐱᔾᔪᑎᒋᓪᓗᒍ ᖃᐅᔨᓴᕐᓂᐅᔪᖅ ᑭᒃᓕᓯᓂᐊᕐᑕᐅᓂᖓᓗ ᖃᐅᔨᓴᕐᓂᐅᔪᖅ ᐊᑐᕐᑕᐅᔪᑦ ᐊᔾᔨᐸᓗᒋᓪᓗᓂᒋᑦ ᐊᑐᕐᑕᐅᖃᑦᑕᕐᑐᑦ ᑲᓇᑕᒥ ᐊᑐᐊᒐᖏᑎᒍᑦ ᒪᓂᕋᖓ ᑐᐊᐸᖓᓂᓐᓂᑦ ᐅᒪᔪᖃᕐᓂᖓ ᐱᕈᕐᑐᖃᕐᓂᖓᓗ ᓴᐳᔭᐅᓯᒪᓇᓱᒃᓗᑎᒃ ᐊᕋᒍᖓᓂ 1999 (ᐊᒻᒪᓗ 2008 ᓄᑕᖑᓇᐊᕐᓗᓂ), ᐃᓱᒪᒋᔭᕗᑦ ᐊᑐᕐᑕᐅᒍᓂ ᐊᑐᑎᖃᕋᔭᕐᓂᖓᓂᒃ ᐋᕿᒃᑕᐅᒍᓂ ᓄᓇᖓᓄᑦ ᒪᓂᕋᖓ ᓴᓗᒻᒪᕐᓴᕐᑕᐅᓂᖓᓄᑦ ᑐᕋᒐᐅᔪᖅ ᑎᑎᕋᕐᓯᒪᔪᒧᑦ F2.

ᒥᑭᓐᓂᕐᓴᐅᒍᓗᐊᕐᑎᓪᓗᒍ ᑐᖓᓂᒃᑲᓗᐊᕐᑎᓪᓗᒍ ᖃᐅᔨᓴᕐᕕᐅᔪᓂ ᒪᓂᕋᖓᓂᑦᑐᖅ ᒪᓕᒃᓗᒍ ᑭᒃᓕᓯᓂᐊᕐᓂᕐᒧᑦ ᐊᕿᒃᑕᐅᓯᒪᔪᑦ, ᖃᐅᔨᓴᕐᑕᐅᓯᒪᔪᓪᓗ ᒪᓂᕋᖓᓂᖓᕐᑐᑦ ᐅᖓᑕᓂᑦᑐᑦ F2 ᐱᕈᕐᑐᖃᕐᓂᕐᓴᐅᓚᐅᕐᑐᑦ ᒪᓂᕋᖓᓗ ᐅᒪᔪᕈᓯᕐᓂᒃ ᐱᑕᖃᐅᓂᕐᓴᐅᓪᓗᓂ ᐊᓯᖏᓐᓂᑦ ᒪᓂᕋᖓ ᐱᑕᖃᕐᓂᖓ ᑐᖓᓂᑦᑐᓂᑦ ᑲᓇᑕᒥ ᐊᑐᐊᒐᐅᔪᑦ ᒪᓕᒃᑯᒋᑦ ᓴᐳᔭᐅᓯᒪᓂᖏᑦ ᐱᕈᕐᑐᐃᑦ ᒪᓂᕋᕐᒥᐅᑕᐃᓪᓗ.

ᑐᑭᓯᓇᕐᓯᑎᑕᐅᓂᖓ ᒪᓕᒃᓗᒍ ᖃᐅᔨᓴᕐᕕᒃᒥ ᒪᓂᕋᖓᓂᑦᑐᑦ ᓱᕈᕐᓇᕐᑐᖃᕐᓂᖏᑦ ᖃᐅᔨᓴᕐᑕᐅᔪᑦ ᓇᓂᓯᕕᒃᒥ ᒪᓂᕋᖓᓂ, ᐅᑯᓂᖓ ᐋᕿᒃᓯᓄᒍᑦ:

1. ᑲᑎᑕᐅᓯᒪᔪᑦ ᑎᑭᓪᓗᒍ ᑎᑎᕋᕐᓯᒪᒧᑦ ᓈᓴᐅᑕ F2 ᐃᓚᓐᓇᑎᒋ 410 mg/kg ᐱᕈᕈᓐᓇᐃᓕᔾᔪᑕᐅᒐᔭᖏᑦᑐᖅ ᐊᒻᒪᓗ ᐱᕈᕐᑐᐃᑦ ᐱᕈᑦᑎᐊᖏᓐᓇᕋᔭᕐᑐᑦ ᑕᑯᓪᓗᒋᑦ ᓱᕈᕐᓇᕐᑐᖃᖏᑦᑐᖅ ᒪᓂᕋᖓᓂᑦᑐᑦ ( ᐅᕙᓗᓐᓂᑦ ᒥᑭᓐᓂᕐᓴᒥᒃ ᓱᕈᕐᓇᕐᑐᖃᕐᑐᑦ ᐅᕐᓱᐊᓗᕈᔪᖃᕐᑐᑦ) ᒪᓕᒃᓗᒍ ᑲᓇᑕᒥ ᐊᑐᐊᒐᐅᔪᖅ ᑎᑎᕋᕐᓯᒪᔪᖅ ᑭᒃᓕᒋᔭᕆᐊᖃᕐᑕᖓ F2 ᐃᓚᓐᓇᑎᒋᕐᓗᓂ 260 mg/kg. ᐃᒪᐃᖓᕐᑐᕐᓕ, ᐃᒪᖃᕐᑎᐊᖏᓐᓂᖓ, ᐱᕈᕐᓇᕐᑐᖃᖏᓗᐊᕐᓂᖓ ᓱᒃᑲᐃᔾᔪᑕᐅᓂᕐᓴᐅᕗᑦ ᐱᕈᕐᑐᓄᑦ ᐅᑭᐅᕐᑕᕐᑐᒥ.

2. ᒪᓕᒃᓗᒋᑦ ᖃᐅᔨᔭᐅᔪᑦ, ᑐᐊᐸᖓ ᒪᓂᕋᖓ ᐃᓗᓕᖃᕈᓂ **<410 mg/kg F2** ᐊᑦᑕᕐᓇᖏᓐᓂᕋᕐᑕᐅᔪᖅ ᐱᕈᕐᑐᓄᑦ ᐊᑦᑎᒃᑐᒥᒃᓗᓐᓂᑦ ᐊᑦᑕᕐᓇᕐᓂᖃᕐᑐᑦ ᐱᕈᕐᑐᓄᑦ ᒪᓂᕋᕐᒥᐅᑕᓄᓪᓗ ᐃᓂᖃᕋᓗᐊᕈᑎᒃ ᑕᒪᓂ ᖃᓄᒃᑲᓐᓂᕐ ᐋᕿᒃᑕᐅᒃᑲᓐᓂᓇᐊᖃᖏᑦᑐᖅ ᓴᓗᒻᒪᕐᓴᕐᑕᐅᓂᖓᓂ.