

Tsim Cov Khoom thiab Muag Khoom Noj Uas Muaj Nqaij Ntim Xyaw Hav Minnesota



Cov Cai Tswj Fwm Muag Khoom Tus Nqi Txwm thiab Tus Nqi Luv

Hav kev lag luam khoom noj, cov khw muag khoom tus nqi txwm muag cov khoom ncaj qha rau cov neeg siv khoom los ntawm cov khw muag khoom, cov platform oos lais, los sis cov kiab khw muag khoom liaj khoom teb. Cov khw muag khoom lag luam tus nqi luv uas ntau rau cov lag luam xws li cov khw noj mov, lub chaw hauj lwm, los sis cov khw muag khoom, uas yuav cov khoom mus muag toj los sis coj los siv. Cov khoom noj uas muaj nqaij xyaw nrog yuav raug tswj hwm sib txawv nyob ntawm seb tus neeg ua khoom muag xav tau dab tsi. Cov ntawv tso cai muag khoom tus nqi txwm tso cai muag ncaj qha rau cov neeg siv khoom feem dav thiab muag rau qee cov chaw hauj lwj (tsis pub tshaj li 25% ntawm cov muag khoom tag nrho) yam tsis tas yuav tshuaj xyuas tas li.^{1,2} Kev tsim cov khoom lag luam uas muaj nqaij xyaw ntau dua 2% los ntawm qhov hnyav nyob hav qhov kev saib xyuas los ntawm Minnesota Lub Tuam Tsev Hauj Lwm Saib Xyuav Khoom Liaj Khoom Teb (MDA) los sis Teb Chaws Mes Kas Lub Tuam Tsev Hauj Lwm Saib Xyuav Khoom Liaj Khoom Teb (USDA) nrog kev tshuaj xyuas thiab kev tso cai nruj dua, txuas ntiv mus. Kev tshuaj xyuas tas li txhais tau tias cov txheej txheem ntawm lub lag luam raug tshuaj xyuas txhua hnuv thaum lub sij hawm ua hauj lwm kom ntseeg tau tias kev tsim cov khoom noj muaj kev nyab xeeb. Kev muag khoom lag luam tus nqi luv yuav tsum muaj Daim Ntawv Tso Cai Tsim Khoom Noj xa los ntawm MDA.³

Txhua lub nroog kuj tseem muaj cov cai ntawm daim ntawv tso cai tshwj xeeb los sis cov cai txwv ntiv rau kev lag luam muag khoom noj tus nqi txwm los sis lag luam tus nqi luv. Yuav tsum tshuaj xyuas cov cai ntawm lub nroog kom paub tseeb tias ua raws li txoj cai lij choj. Minneapolis muaj daim ntawv tso cai rau Cov Lag Luam Me Uas Muaj Khoom Tus Nqi Luv, uas tso cai rau kev muag khoom lag luam muaj kev txwv rau lwm cov khw muag khoom tus nqi txwm, nyob hav cheeb tsam nkaus xwb tsis tas yuav tshuaj xyuas tas li.⁴

"Sib npaug" piv nrog USDA Kev Saib Xyuas

Minnesota yog ib lub xeev ntawm 29 lub xeev uas ua Lub Khoos Kas Tshuaj Xyuas Nqaij thiab Nqaij Tsiag Muaj Tis (MPIP), uas xam tias sib npaug nrog tus qauv los sis siab dua lub khoos kas tshuaj xyuas nqaij thiab nqaij tsiag muaj tis hav tsoom fwm teb chaws. Qhov no txhais tau hais tias lub khoos kas tshuaj xyuas "Sib Npaug" (E2) ntawm lub xeev raws li cov qauv ntawm USDA tab sis cov neeg tsim khoom tsuas yog tuaj yeem muag rau,

faib muag, thiab muag tus nqi luv rau lwm lub chaw hauj lwm hav xeev Minnesota. Yuav tsum tau muaj kev tshuaj xyuas ntawm USDA hav tsoom fwm kom muag tawm tau rau lwm lub xeev.^{1,5} Kev xaiv siv ntawm ob qho no nyob ntawm seb lub lag luam loj li cas, kev txav tau ntawm lub sij hawm, lub khw uas xav tau thiab ntau ntiv. Cov yam no tau muab sau ua ke hav Lub Kem 1.

**LUB KEM 1: KEV SIB PIV NTAWM MINNESOTA "SIB NPAUG"
KEV TSHAWJ XYUAS NQAIJ PIV NROG KEV TSHAWJ XYUAS TAS LI NTAWM USDA**

COV YAM*	LUB KHOOS KAS "SIB NPAUG"	KEV TSHAWJ XYUAS TAS LI NTAWM USDA
Cwj ciam txoj cai	Tsuas yog muag khoom hauv xeev nkaus xwb	Kev muag khoom thoob teb chaws
Kev Tshuaj Xyuas	Lub koom haum hauv xeev, nyob hauv kev saib xyuas ntawm USDA	USDA Lub Chaw Muab Kev Pab Cuam Tshuaj Xyuas Kev Nyab Xeeb Khoom Noj Khoom Haus (FSIS)
Tus Neeg Tsuj Xyuas Kev Tuaj Xyuas	Yooj yim dua	Yog qhov yuav tsum tau ua thaum ua hauj lwm txhua zaum
Kev Txhawb Nqa	Kev pab txhawb nqa kev txawj ntse kom ze dua	Tsis tshua muaj kev ceev ntiag tug
Zoo Tshaj Plaws Rau	Cov lag luam hauv zos/ib cheeb tsam	Cov lag luam uas muaj lub hom phiaj muag hauv teb chaws

* Cov peev tsis koj los txiav txim ua ib qho sib piv. Kev tshuaj xyuas ntawv tsis siv nyiaj los ntawm lub lag luam; tab sis yog qhov kev pab cuam uas tau txais nyiaj los ntawm lub xeev los sis tsoom fwm teb chaws. Txawm li cas los xij, cov lag luam yuav raug them tus nqi ntxiv yog tias yuav tau mus tshuaj xyuas nyob rau hnub so los sis nyob sab nraum lub sij hawm ua hauj lwm ib txwm muaj. Tsis tas li ntawv xwb, lub lag luam yuav tsum muab ib lub rooj ua hauj lwm los sis qhov chaw ua hauj lwm rau tus neeg tuaj tshuasj xyuas, uas yuav yuav yog tus nqi siv tsim kho ntxiv.s

Cov Cai rau Txoj Phiaj Xwm Kev Nyab Xeeb ntawm Cov Khoom Noj Khoom Haus

Daim phiaj xwm Kev Tshuaj Xyuas Kev Phom Sij thiab Qhov Tswj Xyuas Tseem Ceeb (HACCP) rau kev lag luam muag nqaij tus nqi luv. Qhov no lees tau tias muaj kev phom sij rau kev nyab xeeb ntawm cov zaub mov thiab tswj hauv kev tsim khoom. HACCP (nyeem tias "hass-sup") yog ib qho kev tswj hwm uas tsom mus rau kev nyab xeeb ntawm cov zaub mov los ntawm kev tshuaj xyuas thiab tswj cov kev phom sij los ntawm tej yam muaj sia, khes mis, thiab yam tsis muaj sia los ntawm kev tsim cov khoom, kev nrhiav, thiab kev ua cov khoom nyoos, kev muag khoom thiab kev noj cov khoom uas ua tiav. ^{7,8,9,10} Kev cob qhia thiab daim ntawv pov thawj HACCP tuaj yeem ua tau tiav los ntawm tus kheej (Minnesota Tsev Kawm Ntawv Yus Nis Vaws Xis Tim Extension muaj cov qauv ntawv kawm qee zaum) los sis hauv oos lais (piv txwv li, ehaccp.org).

Cov Cai ntawm Qhov Chaw

Lub chaw tsim khoom ua nqaij yuav tsum ua kom tau raws li cov qauv, ua kom huv thiab yuav tsum ua hauj lwm li tau teev tseg txhawm rau kom tau txais kev tso cai. Qhov no suav nrog kev ua kom txais, cov cuab yeej, kev tswj cov kab, thiab kev ua huv. ¹¹ Kev tsim cov khoom uas muaj nqaij nyob rau ib qho chaw ua ke (chav ua noj ua ke)¹² tej zaum ua tau, tab sis muaj cov teeb meem ntxiv, xws li kev teem sij hawm, muaj kev pheed hmoo ntawm kev qias neeg, thiab ua tau raws li cov kev tshuaj xyuas tag nrho tas li. Feem ntau, tus neeg tsim khoom yuav tsum ua li qhov hauv qab no ua pom tau tias lawv cov khoom tuaj yeem raug cais tawm ntawm lwm cov khoom uas tsim hauv qhov chaw tsim khoom tau tsis hais tias yog lub laj thawj fab sij hawm los sis qhov chaw. Tsis yog txhua chav ua noj sib koom yuav tau txais daim ntawv tso cai rau kev ua nqaij (los sis tej zaum yuav tsis tau txais) daim ntawv tso cai rau kev ua nqaij.

Tsab ntawv no muab cov ntaub ntawv tshiab tshaj plaws thaum lub sij hawm uas luam nthuav tawm, thiab tsuas yog los muab kev taw qhia xwb. Cov nyeem ntawv yuav tsum tiv tauj AURI los sis lwm tus kws tshaj lij fab kev cai lij choj kom tau txais cov ntaub ntawv tshiab tshaj plaws thaum ua tiav cov ntsiab lus ntxaws ntawm daim ntawv lo qhia rau khoom.

Cov Ntaub Ntawv Pov Thawj

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Kev txhais lus rau phau ntawv no tau txais nyiaj txhawb los ntawm qhov kev pom zoo sib koom tes ntawm Resilient Food Systems Infrastructure, uas yog los ntawm U.S. Department of Agriculture (USDA) Agricultural Marketing Service. Cov ntsiab lus hauv no yog lub luag hauj lwm ntawm cov neeg sau nkaus xwb, thiab tej zaum yuav tsis sawv cev rau cov kev xav raws cai ntawm USDA.

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