

MIDWEST ARONIA ASSOCIATION

www.midwestaronia.org



E-Newsletter (06/2018)

Volume 2018 / Number 2



MESSAGE FROM THE PRESIDENT

Be Excited Folks! More and more people that I talk to say they have heard of, or have tried, this power packed super berry we call the Aronia. I am a high school agriculture education teacher and just last week, as we were winding down another school year, my students out of nowhere asked me to bring in some Aronia Berries. They said, "Mr. Winqvist we have heard all about these Aronia Berries, bring us some to try". So I brought in a pound of berries and we took our final exam eating purple brain food. The conversation that ensued was priceless. I fielded a lot of questions but in the end 18 more human beings have now been introduced to a Super Fruit that is grown right here in the USA!

It is an exciting time of year as the spring weather begins to fade into blossoms that are going to create this years harvest. With a little luck from mother nature we will reap a harvest come this fall and begin the cycle of processing and selling the berries. Products that will be made will include juices, wines, jams, jellies and other goods that will be consumed all over this country. I feel like we are on the verge of the Aronia berry really taking off. I have heard the buzz for quite awhile now but it seems to be getting louder. So, be ready folks! Let's all do our part to share the Aronia story. Speaking of Aronia story, check out some of the field days and harvest festivals listed in this newsletter. Join some of our fellow Aronia growers as we spread the message far and wide. While your at it, check out our newly designed and updated website at midwestaronia.org and urge your friends and neighbors to become Midwest Aronia Association members. It's as easy as clicking the "Membership" tab on the site and filling out the information. Have a great summer and let's Unite and Move Forward Together.

Craig Winqvist, President
Midwest Aronia Association

2019 MAA ANNUAL CONFERENCE

Date: March 15 & 16, 2019

Location: Des Moines, IA

It's never too early to plan to attend the 2019 Midwest Aronia Conference.

SAVE THE DATE

**10th Annual
MAA Conference**

It's never too early to plan to attend the 2019 Midwest Aronia Conference. The Midwest Aronia Association is pleased to announce the 10th Annual MAA Conference will be held in Des Moines, IA on March 15 & 16, 2019. The conference will feature a variety of speakers, presentations, and networking opportunities. Registration is now open and early bird rates are available. For more information, please contact the Midwest Aronia Association at info@maa-aronia.org or call 515-281-1234.

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MAA 10th Anniversary Cookbook

You heard it here first! The Midwest Aronia Association is pleased to announce the 10th Anniversary Cookbook is now available. This cookbook features a variety of recipes using aronia berries, including jams, jellies, and baked goods. The cookbook is available for purchase at www.maa-aronia.org or by calling 515-281-1234.

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USDA Grant

Improving Aronia Berry Sustainability And Fruit Quality

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AgMERC (Agricultural Marketing Research Center)

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<https://www.agmrc.org/commodities-products/fruits/aronia-berries>



University of Maryland Extension

<http://extension.umd.edu/aronia/production-timeline>

Can you believe it? August and harvest is just around the corner. You may find the above link a helpful guideline as harvest approaches.

THINKING OUTSIDE THE BOX

Farmers markets are a critical ingredient to our nation's food system. These outlets provide benefits not only to the farmers looking for important income opportunities, but also to the communities looking for fresh, healthy foods. — Kathleen Merrigan, former U.S. Deputy Secretary of Agriculture (2013)

Farmers Markets are just one avenue to be utilized when selling Aronia berries locally. The Farmers Market Coalition states, “The number of farmers markets in the U.S. has grown rapidly in recent years from just under 2,000 in 1994 to more than 8,600 markets currently registered in the USDA Farmers Market Directory.” Following are a few topics about Farmers Markets that you might not have considered.

Workshops Are you interested in selling your produce or products through your local farmers market? The requirements vary per state. Some states require you to take an approved food safety training class and register the Department of Agriculture in that state. There are many Farmers Markets that offer workshops for those thinking about selling through farmers’ markets. Check with your local Farmers Market to see if they offer these workshops in your area.

Licensing & Marketing Do you need a license to sell at the farmers' market? Is your food product safe to sample? Many Farmers’ Markets offer learning workshops to answer many of the questions you may have about introducing your products to the public through your local farmers markets.

Insurance Policy Who would have thought about an insurance policy to sell at your local farmers’ market? In this day and time it is something to consider. Many Farmers’ Markets offer insurance policies to member markets and vendors. Contact your local Farmers’ Market to see if this is something offered in your area or contact your local insurance agent to see if this is something they can help with.

Considering a local Farmers Market in your area? You might find the following links and information helpful:

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: Ufa Yfg`AUf_Yh7 cU]hcb	https://farmersmarketcoalition.org/education/qanda/
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K]gWcbg]b	https://www.missourifarmersmarkets.org/
BYVfUg_U	http://www.wifarmersmarkets.org/ https://www.nebraska.gov/apps-ag-farmers-market/ (Great searchable options.)

The above is only offered as a sampling of the sites available. There are many local markets throughout the U.S.

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Hope you Enjoy!

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CHOCOLATE PEANUT BUTTER ARONIA PROTEIN MUFFINS

A Delicious Gluten Free - Sugar Free Protein Muffin! This recipe freezes great!

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A Recipe from Donna Costello's Collection

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MAA TRADING POST

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The harvester is in great shape, equipped with side hill leveling, hydraulic drawbar, electronic over hydraulic controls, working lights, low bush attachment. Can harvest into 40 lb lugs, or large totes. Machine comes with tons of extras....10 large totes (modified to dump into small lugs if needed), Pneumatic tilt table for large totes, Tool box from manufacture with standard wearable replacement parts, PLUS Extra parts - Main gear box (new), 3/4 inch chain (new), Set of gear wheels for wide and long conveyors (New), Several shaker fingers (New), Long transporter chain (New). Contact Pete (402) 305-2280

On the Research Edge

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M_i{b_n. bX_M{ W_fb_ft_S' M_y M_Xb_l n_{aZ_yZ' M_ZI {y' b' a_bž_ZX' ž <<) y_Mf_Z ' b' ' Ü_b' P_Üö^a Aa| y_SM_nl bM_unjtuaZI n_j M_iX' l n_i ' unjtuaZI n_j'
V_hk' u_nl ZI {y' V_nl {x_bl} {Z' n' b_y' V_nj_nx_M{ M_iX' M_i{b_n. bX_M{ _| l V{b_nl N_yt^a'

° x_ni' bM_UZx_t' ; **Aronia mitschurinii** 'G_b b' - Á_b a_bž_y' V_nj_b b_y b' k' bZ' M_iX' b' a_bž_y' A' VZ_j { | k' n| x_i ZV_ny_b' _W{nx¹ ' yZV_Z{b_nl ' žZ_xZi' ° a₂ M_k{b' ^{NOU}/n_M' ° @k' t{a' ^WLaZ_i a| M_bž' L_xM_jZ' t' H' a₂ E_nj_b b' ^{NOU} /n| x_i N_yi_n_' | l V{b_nl N_y' nnX_y'
G_nj| k' Z' B_S2 M' Y_UÜ_aŠ<M_Zy' B_a'ää'

° Uy{xW{

° x_ni' bM_UZx_t' z_y' M_Z' x_b' a' b' ' unjtuaZI n_j' , b_a' M_i{b_b _j_M k' M_nx_t' W_fb_ft^a' H' Z' a_tun{aZ_y' b_ZX' {aM_i' M_nl bM_UZx_t' V_nl y| k' u{b_nl ' k' nX| jM_Zy' b' {Z_y{b' M_it_k k' | l Z' _| l V{b_nl ' M_iX' A' VZ_jy' a₂ AaZ' N_k' y_n_{aZ' u_xZ_yZI {', n_xi', Z_xZ' {n' M_yY_zy' {aZ' t_k k' | l n_k nX| jM_nx_t' un{Z_i {b_y' n_ÉG_b b' - M_nl bM_UZx_t' ; U_jN_W' V_ni' Z_UZx_t' S'' x_ni' **b_k b_yl** x_b b_b b' **f_gn** M_iX' {n' XZ{Z_x b' Z' {aZ' Z' . ZI { 'M_nl bM_UZx_t' unjtuaZI n_j' n_x' i' l n, l ' k' b_xn_Ub_y' unjtuaZI n_j' V_Ml W_hj_bž_y' b' a_bž_y' A' VZ_j { | k' n| x_i ZV_ny_b' _W{nx'; A₃' Á' ' **b' f_gn**' x_ni' bM_UZx_t' V_nl y| k' u{b_nl ' b' V_ZM_yZX' V_nj_nl b' *1' Ü_Ü' yZV_Z{b_nl ' b' ' aZ_N{a_t' k' bZ_SU| {X_bX' l n{ b' a_bž_y' Z' . **f_gn**' V_t' {n_i b' Z' yZV_Z{b_nl ' n_ j_bun_jty' W_Va_MX_Z' y{t_k | jM_ZX' y_ujZ_Z' M_iX' V_nj_nl {b_yl Z'' x_ni' bM_UZx_t' V_nl y| k' u{b_nl ' b' a_bž_ZX', M_y{b' ' M_yn_Vb_MZX', b_a' A' VZ_j' N_k' nu{b_fZ' {x_M' y_Z' M_iX' XZ' . {x_M' y| j_uaM_Z' y_nX_b k' ' b' X| VZ_X' V_nj_bž_y' a'' x_ni' bM_V . {x_W' {y_S' Z| {x_U' j_tuaZI n_j' _x_W' {b_nl S_MX' {aZ' unjtuaZI n_j' V_Ml W_hj_bž_y'
P_S' X_b t' X_n..t_uaZI t_jWZ{b' W_bX' M_iX' P_S' X_b t' X_n..t_uaZI t_jux_nub_nl b' W_bX' b' a_bž_ZX' A₃' ' ' u_xnX| V{b_nl ' b' / x_i M_i' A' VZ_jy' a₂ AaZ_xZ' _n_xZ_SA' VZ_jy' M_iX' k' b_xn_Ub_y' V_Ml W_hj_bž_y' k' u_M{j' t' k' Z_X b_MZ' {aZ' M_i{b_b _j_M k' M_nx_t' Z' _Z_V{y_n' _M_nl bM_nl y| k' u{b_nl ' b' {aZ' V_nj_nl ' a'

° I {bb jNk k MnxT Z_ZV{y'n_Mnl bVZ. {xW{nl xM'ZI Xn{n. b 'b X| VZX| fZ{by^a
5a` M b0\$Jz fM\$@abMnxbo\$OntMk MJ\$B` I) \$JnyabXMO\$OMZ @SO{Mab3\$@ %i bJ \$AMI MIVA\$5al n`@
° fZy{ 5ua{aMk nj Gby@b YÜÜa`M`BaÜA\$aa`aÜ^a

° Uy{xW{

<B?<5@ @

° xnl bMx| XZ`Z. {xW{`Z` " Ä. b`a`ab`a`jZfZjy'n_unjtuaZI nj Vnk un| I Xy`aM`y`UZZI `xZunx{ZX`{n`aMfZ`M{bn. bXMBZ`Z_ZV{y`b` f`d`xn`
MIX`b` f`b`n`°` {aby`y| Xt\$SM{ZI {bn` , My`_nV| yZX`nl` {aZ`M{bn. bXMB{Z_ZV{`n`_` " °AaZ`u| xunyZ`n`_{aZ`uxZyZI` {y| Xt` , My`{n`
b`fZy{b`MZX`{aZ`Z_ZV{`n`_` " `nl` ZI`Xn{n. b`'b`X| VZX| fZ{by`Z` °BÄb`xM`y`°` °MkX{bn` S{aZ`ZI`Xn{n. b`'b`X| VZX`Z. uxZy`bn`_`{aZ`
b`X| VÜJZ`I` b`x`v`n. bXZ`y`I` {aM`yZ`jB5@ÄMIX`VtVjnn. t` ZI`M`yZ`j` 5I`ÄY`uxn{Zb`y` , My`b`fZy{b`MZX`b` Mk`n| yZ`k` M`xnuamZ`VZj`j`b`Z`
?` ° H`Y`aB`a`Ä{xZMZX` , b`a`°`t` " `b` f`d`xn`S{n`VjM`b`j` {aZ`M{bb`jNk`k`MnxT`Z_ZV{`^a

2 "A) 5z @

" °B` , My`b`X| VZX`b`k`M`yZ`Z` , by`xM`y`Ut`M`nn{uMk`b`hZV{bn`_`n`j`bn`unjtuy`W`aM`bXZ`j`1<@Ä`°`k`k`ZX`bM`Zj`M`Zx`{aZ`1<@b`nV| jM`bn` SÜS`
ÜÜ\$nx`ÜÜÜ`k` `` `t` " `nx`ÜÜ`k` `uxZxI`bn`jnl`Z` , My`b`hZV{ZX`b`{xMfZi`n| yjt`°` _{Zx`Y`B`an| xyS{aZ`M`y`Zn| y`a| k`nx` , My`VhjZV{ZX`_`xnk`
Un{a`Zt`ZySMIX`{aZ`I`| k`UZ`x`n`_`b`_`b`{xM`b` `VZjy`Suxn{Zb` Vnl`VZI` {xM`bn` S| b`x`v`n. bXZ`j`35\$Suxny{M`jM`X`b`_`Z`<`Ä`" `Y`SMIX`A3` °M`yuaM`
jZfZjy`b` {aZ`M`y`Zn| y`a| k`nx` , ZxZ`XZ{Zx`b`ZX`°`?` ° H`Y`aB`a`Ä`VZjy`{xZMZX` , b`a`f`d`xn`| y`Vnl`VZI` {xM`bn` y`n`_` " ` , ZxZ`b`V| UMZX` , b`a`
ÜÜ`k`| `µk`11<@_nx`Y`B`an| xy`1ZfZjy'n`_35\$<(` " `Y`SMIX`A3` °M`yuaM` , ZxZ`XZ{Zx`b`ZX`Ut`M`ZI`°`k`Z`j`b`i`ZX`b`k`| I`nynx`ÜZi` {M`yM`
AaZ`Z. uxZy`bn`_`n`_`b5@MIX`t` 5I`Y`uxn{Zb`y` , My`M`M`j`t`°`X`Ut`H`Zy{ZxI`Ujn`{M`M`j`ty`b`^a

? "B1A @

AaZ`I`| k`UZ`x`n`_`b`_`jNk`k`MnxT`VZjy`S{aZ`uxn{Zb` Vnl`VZI` {xM`bn` ySMIX`{aZ`jZfZjy'n`_35\$<(` " `Y`SMIX`A3` °M`yuaM`b` {aZ`M`y`Zn| y`a| k`nx`
b` {aZ`°`xn| uy{xZMZX` , b`a`°`t` " ` , ZxZ`y`b`I`b`bM`{jt`XZVxZM`yZx`b` °MknyZ`XZuZi`XZi` {k`M`I`Zx`°` °MkX{bn` S{aZ`M{bb`jNk`k`MnxT`
Z_ZV{`n`ÜÜÜ`k` `` `t` " ` , My`My`y{xnl` `My`{aM`n`ÜÜÜ`k` `uxZxI`bn`jnl`Z`°`AaZ`M{bb`jNk`k`MnxT`M`b`bn`_` " ` , My`y{xnl` `Zx`{aM`{aM`n`
Z`b`aZxw`j`ZxZ`{b` `nx`M`{anVtM`b` °Mk`b`by{ZxZ`M`h`l`Z`°`t` " `M`j`n`y| uuxZyZx`1<@b`X| VZX`b5@MIX`t` 5I`Y`uxn{Zb`Z. uxZy`bn`y`b`
?` ° H`Y`aB`a`Ä`VZjy`b` f`d`xn`b` °MknyZ`XZuZi`XZi` {k`M`I`Zx`^a

f 53f 1B@53@

AaZ`xZy| j`y`y| ` `Zy`{aM`°`t` " `aM`y`MknyZ`XZuZi`XZi` {M`{bnV| jMk`b`jNk`k`MnxT`Z_ZV{`{aM`by`X| Z`{n`{aZ`XbZV{`UjnV`b` `n`_{aZ`
Z. uxZy`bn`_`n`_{aZ`b5@MIX`t` 5I`Y`Zi`°`k`Zy`MIX`jZM`y`{n`{aZ`y| uuxZy`bn`_`n`_{aZ`uxnX| V{bn`_`n`_35\$<(` " `Y`SMIX`A3` °M`yuaM`

" . {xW{ySM{anVtM`b`y`MIX`uxnVtM`b`b`y`_`xnk` `` xnl`bMk`ZjM`nV`xM`M`y`x`X`b`M`j`y`M`fZi` `Zxy`MIX`ZI`°`k`Z`b`ab`b`d`nxy`^a

£xR| I`j`b`a`2`Ü\$@tk`Zy{Nk`?`SH`M`Zi`y{ZZI`)`S£xZXZ`f`S2`Mj{Zx| X`O`" S£M`yZ`{ })`^a

3| {xZi` {y`Y`ÜÜ`P`2`M`B`ä`p`A`ä`b`ä`ä`^a

° Uy{xW{

" . {xW{ySy| U_xW{bn` ySbnjMZX`M`{anVtM`b`y`MIX`bnjMZX`uxnVtM`b`b`y`É`S£`ä`MIX`f`Ü`_`xnk` {aZ`UZ`x`b`Zy`MIX`UM`i`n`_`xnl`bM`
k`ZjM`nV`xM` , ZxZ`b`fZy{b`MZX`_`nx`{aZ`b`M`{bn. bXMB{MIX`ZI`°`k`Z`b`ab`b`d`nxt`M`W{b`r`d`Zy`^a n| x`X`b`_`Z`xZi` {U`bn`My`M`y` , ZxZ`| yZXS`
I`M`Zjt`y`M`fZi` `b` `n`_{aZ`X`b`aZi` t`jub`xt`ja`t`X`x`M`f`j`Z`<<` Ä`x`X`b`M`y`S`b`ab`b`d`bn`_`Ü`a`j`bn. t` ZI`M`yZ`j`Ü`a`15\$S`b`ab`b`d`bn`_`n`_`M`{ab`Z`
n. bXMBZ`j` 5ÄMIX`b`ab`b`d`bn`_`n`_` °j`j`Vny`bX`M`yZ`°`k`n`l` `_{aZ`M`{anVtM`b`y`SVtM`b`b`b`°`M`N`Ü`b`ny`bX`_`unyy`ZyZx`{aZ`y{xnl` `Zy`{MIX`
VtM`b`b`b`°`t`jny`bX`Z`{aZ` , ZM`Zy`{x`X`b`M`j`y`M`fZi` `b` `MIX`ZI`°`k`Z`b`ab`b`d`nxt`M`W{b`r`d`Zy`^a °AaZyZ`Z_ZV{y`y`ZzK` {n`UZ`b`j`j`Zi`VZX`Ut`{aZ`
y| `Nk`| I`b`y`j`b`i`ZX`{n`{aZ`M`{anVtM`b`b`b`°`@`U_xW{bn`y`Zi`x`b`aZx`b`uxnVtM`b`b`y` , ZxZ`_`n| I`X`{n`UZ`un`Zi` {` °j`j`Vny`bX`M`yZ`b`ab`b`d`nxy`
{aZ`t`unyy`ZyZx`ab`a`x`X`b`M`j`y`M`fZi` `b` `uxnuZx{b`ZySy{xnl` `b`ab`b`d`nxt`M`W{b`r`d`Zy`^a {n` , M`Xy`Ü`a`15`MIX`k`nXZxM`Z`b`ab`b`d`nxt`M`W{b`r`d`Zy`
{n` , M`Xy`l`5`°`A`x`k`Z`x`b`uxnVtM`b`b`b`f`Ü`yan` , ZX`ab`aZx`M`W{b`r`d`Zy`^a {aZ`U`bn`j`n`b`M`j`y`M`y`Vnk`uM`XZ`{n`{aZ`X`b`Z`x`b`uxnVtM`b`b`y`É`
MIX`É`ä`°`A`aby`y| Xt`y| ` `Zy`{y`{aM`X`b`_`Z`xZi` {unj`tuaZI`nj`b`Vnk`un| I`Xy`n`_`°`k`ZjM`nV`xM`M`M`M`aMfZ`UZI`Z`b`b`jZ`Z_VY`b`xZX| Vb` `
UjnnX`°`j`j`Vny`Z`jZfZjy`X| Z`{n`b`ab`b`d`bn`_`n`_` °j`j`Vny`bX`M`yZ`MIX`k`M`aMfZ`Mun`Zi`{bn`{n`M`jZ`f`b`M`Z`n. bXMBZ`y{xZy`^a

1 nl y| k u{bnl 'n_Vani ZUZxt'z' xnl bMk bYVa| xB bAauxnX| Vlyk nXZy{jt'jn, ZxZX'UjnnX'uxZyy| xZ MlX'xZX| VZX'jn, '1' xWXZ'
b_jNk k Mlbnl 'b' uMlZl {y', bA'k bXjt'ZjZfMZX'UjnnX'uxZyy| xZ'
1nn'z2 '0S' xj| l X'w'5Onjb?'5S<| | i i M'βS) Zjyy(xsk 'A'SH RaRjR'O'S2 M{(bMk'âS/ jM' 'âa'
3| {x?Zy'YÜÜä'3nf'Pa;ÜÜÄ@YÿY'ÜÿPÜ'

° Uy(xWf'
<xZfbn| yy{| XbzYy| `` Zy{ {aM'Vnl y| k u{bnl 'n_Vani ZUZxtZy'k M' tk uxn'fZ'VWXbnfVYV| jM'XbyZMjZ'xby' 'Ml{nx'uxn' bZy'a' H Z'
atun{aZy'0Zx' {aM'Vani ZUZxtZy'z' xnl bMk bYVa| xB bA'AMfZ'UZI Z' bMjZ'Z_VY{ynl 'UjnnX'uxZyy| xZ'Sjn, '1' xWXZ' b_jNk k Mlbnl SyZx| k'
jbnkYsYzX| k' `j| VnyZSMlX'ujMzjZ{ 'M' xZ' Mlbnl 'b' uMlZl {y', bA' | l {xZMZX'k bX'atuZx(Zl ybnl 'a'' {n{M'n_pä uMk{bWuMl {y', ZxZ'
Zl xnjjZX' b {n' MÜä', ZZi 'yb' `jZ' Ujb' XZX' VnyynfZx' {xM'P' AaZ' uMk{bWuMl {y', ZxZ' xM'Xnk' 0Zx' {n' | yZ' VnjX'uxZyyZX' ÜÜÜö 'Vani ZUZxt'
h' bZ' jPÜÜ'k' 1µXÄMlX'nfZl '1XxZ'X' Vani ZUZxt' un, XZx' jP' µXÄSnx'k' M'VaZX'ujMzUn'uxnX| Vlyb' xM'Xnk' 'nxXZ'x'nx'ä', ZZi yZMwä'
, bA' l n', Myan| { 'uZx'bnX'a' AaZ' XNj' unx{bnl 'n_Vani ZUZxt' uxnX| Vly', Mj' uxZuMZX' _xnk' 'M'uxn. tk MZj' t' Ppá' `n' _xZya' Vani ZUZxtZy'a'
Bx' b' M' t' Z' .VxZ{bnl 'n' fMlbnl y' unjtuaZl n' j' MlX' {aZ' b' k' Z' {Mlbnl bZy' b' VxZMjZ' X' | xB' {aZ' Vani ZUZxt' uZx'bnX'Sb' Xb' Mlbnl' `'' nnX'
Vnk' ujb' MlVZ'a' t' ani ZUZxtZy' XZVxZMjZ' X'M' {tk' Z' UjnnX'uxZyy| xZ' MlX'jn, '1' xWXZ' b_jNk k Mlbnl 'a' AaZ' X'M' {tk' Z' Nk' U| jMl'nxt' Xb' Wj' {njb'
UjnnX'uxZyy| xZ' XZVxZMjZ' z' Ü' ä' b' k' k') `S<' 0' Ü' Y' Ä' SMlX' {aZ' {x| Z' M' MZ' Nk' U| jMl'nxt' yty' {njb' z' Y' ä' Ü' k' k') `S<' 0' Ü' ä' Ä' MlX' Xb' Wj' {njb'
z' Ü' ä' Y' k' k') `S<' 0' Ü' ä' Ä' UjnnX'uxZyy| xZ' {Zl XZX' {n' XZVxZMjZ' a' AaZ' Vnl VZl {xMlbnl y'n' b' {ZxjZ| i b' z' *1ÄÜÜ' MlX' { | k' nxl ZVnyby' _W' {nx'
' XZVxZMjZ' z' Ü' ä' u' µk' 1' Ä' 0' Ü' ä' Ä' MlX' '1' Ü' ä' u' µk' 1' Ä' 0' Ü' ä' Ä' S' ZyuzV{b' Zj' t' Ä' MlX' {Zl XZX' {n' XZVxZMjZ' _nx' *1' B' MlX' *1' ä' z' B' ä'
u' µk' 1' Ä' 0' Ü' ä' B' Ä' MlX' '1' Ü' ä' u' µk' 1' Ä' 0' Ü' ä' Ä' S' ZyuzV{b' Zj' t' Ä' 3n' VaMl' Zyb' 'yZx| k' jbnkYsYjbnuxn{Zb' yS' j| VnyZSMlX' b' f' f' xn' u' jMzjZ'
M' xZ' Mlbnl , ZxZ' l n{ZX', bA' {aZ' Vani ZUZxt' b' {Zx'fZl {bnl 'a' AaZyZ' b' Xb' `yy| `` Zy{ {aM' b' Vj| ybnl 'n_Vani ZUZxt' uxnX| Vlyb' {aZ'
Xbz' {n' uMk{bWuMl {y', bA' k' bXjt'ZjZfMZX'UjnnX'uxZyy| xZ' a' M' k' b' nx' UZI Z' bMjZ'Z' VY{ynl 'VWXbnfVYV| jM' aZMj' {a'

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