

jZkl_gbc [he_agyfb m`_ gZ jZggbo wIZiZo _]_lZpbb qlh \ dhg_qghf
ih\ur_gb_ mjh`Zcghklb
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gb_ bgdjmkIzPby]hjq__ \h^gh_ h[_aaZjZ`b\Zgb_ b dhg_dlb\gZy k
f_gyxIky gZ ijZdlbd_ b ^hdZaZeb k\hx wIzn`dcb bgh gIvo bf`gZdjh^ kms_
guo h]jZgbq_gbc \ukhdZy wg_]haZljZlghklv b ^ebi_evghklv ijhp_kkZ
h[t_fZ obfbq_kdbo j_Z]_glh\ g_h[oh^bfhklv kljh]h]h dhgljhey ^habjh
[2, @ Wlh g_ lhevdh m\lelhdhZlv k_ogheh]bb ijhba\h^kl\Z k_fyg gh
]bq_kdb_ jbkdb qlh ijhlb\hj_qbl kh\j_f_gguf lj_[h\Zgbyf mklhcqb\h]h
kl\Z b_]h wdheh]bqghklb
< wlhf dhgl_dkl_ \k_ [hevrmx ZdImZevghklv ijbh[j_dZ_k_flydjh hkegh\
\ZggZy gZ khq_lZgbb l_ieh\h]h b g_l_ieh\h]h \ha^_ckl\by we_dljhfZ
ihdZaZeb qlh ijb h[jZ[hld_ ir_gbpu b yqf_gy gZ[ex^Z_lky mkdhj_gg
aZjZ`_ggghklb]jbdh\ufb bgn_dpbyfb > @ k_kk_e_mogZ_e_d]b_dnkjrh_a_b[kl\m_
fbjh\Zgbx [he__ fhsghc dhjg_\hc kbkl_fu b emqr_c Z^ZilZpbb jZkl_gf
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wlhf khojZgy_l \ukhdmx [bheh]bq_kdmx p_gghklv k_fyg Hkmlkl\b_ c
djZlgh_ khdjZs_gb_ \j_f_gb h[jZ[hldb ^_eZxl fbdjh\hegh\mx l_ogheh]
e_gb_f fh^_jgbaZpbZggh]h]m^g_^j_gby wdheh]bq_kdb qbkluo j_r_gbc
k_\ghc ih^]hlh\db k_fyg
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ij^_ihk_\ghc ih^]hlh\d_ k_fyg > @

<p style="text-align: center;">Традиционные методы предпосевной обработки</p> <ul style="list-style-type: none"> • Химическое протравливание • Термостабилизация в горячей воде • Конвективная тепловая сушка • Дражирование • Инкрустация 	<p style="text-align: center;">Перспективы микроволновой обработки</p> <ul style="list-style-type: none"> • Сочетание теплого и нетеплого воздействия • Ультракороткое и равномерное нагревание • Инактивизация патогенной микробиоты
<p style="text-align: center;">Недостатки</p> <ul style="list-style-type: none"> • Высокая энергозатратность и продолжительность процес • Необходимость использования больших объемов химических веществ 	<p style="text-align: center;">Преимущества</p> <ul style="list-style-type: none"> • Сокращение времени обоаботки • Отсутствие химических остатков • Экологическая безопасность и высокая эффективность

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\k_ _s_ g_^hklZlhqgh jZa\blu
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kh\j_f_gguo ^Zgguo h ij^_ihk_\ghc fhdh\keghgha_hghZ[h\h\uo dmevlmj
k_ ZgZebaZ gZoh^ylky [bhnbabq_kdb_ f_oZgbafu \aZbfh^_ckl\by we_c
fZl_jbZehf Z lZd`_ oZjZdl_jbklbdb iZjZf_ljh\ b j_`bfh\ \ha^_ckl\by
jZkkfhIj_gbx l_ieh\udh\wg_w\ne_dlh\ nhjfbjmxsboky \ k_f_gZo ih^ ^_ckl
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e_c k_fyg Z lZd`_ ijbqbgZf k^_j`b\Zxsbf \g_^j_gb_ wlhc l_ogheh]bb \
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 ±gZm_d g b g h e h] b q _ k d b c [h j Z a j b g k l \ h b k k e ^ h \ Z g b c k h k j _ ^ h l h q _ g h g Z
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 e_gb_ \eZ]b h[mkeZ\eb\Zxl \ZjbZlbgkklv hilbfZevguo j_`bfh\ Z g_jZ
]h ihey fh`_l ijb\h^blv d ehdZevghfm i_j_]j_ \m b e r b h g l ^ ^ l e k l g Z u b q r g j z f c m b j j
 Wlb nZdlhju hklZxlky dexq_\ufb h]jZgbq_gbyfb ijb i_j_oh^_ d ijhfure
 ^Zgghc l_ogheh]bb

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 lhevvdh dZd l_hj_lbq_kdb_ ij_bfms_kl\Z gh b dZd ijZdlbq_kdb_ djbl_
 gby fbdjh\hegh\hc ebgb ij_^ihk_ghc ih^]hlh\db k_fyg Dhjhldh_ \j
 `^Z_lky m^_j`Zgbv g h k l h Z [l b e i _ j Z l m j g h] h i j h n b e y [_ a i j b a g Z d h \ i h \ j o g h
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 g_baf_gghc beb ih\ur_gghc wg_j]bb ijhZklZgby Wdheh]bq_kdZy g_
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Dhg_dlb\g l_jfbq_kdZy	>ebl_evgh	Kj_ ^gyy	<hafh`gZy b lhqgZy ihl_ \eZ]b	Hikmkl\b_ l hqguo _s	<ukhdZy
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 \ ihlhqguc ijhp_kk Dhgnb]mjZpby \kljZb\Z_fh]h maeZ ij_^iheZ]Z_l \heg
 ^_e_gby ihey \jZsZxsbcy klhe b e e v r g Z d l Z d i c i l b l f Z _ j Z l m j g u c d h g l j h e v \
 l_jbZeZ ijb ihfhsb bgnjZdjZkgh]h ibjhf_ljZ b l_jfhiZju mkIZgh\ev_gghc
 pbb Kbkf_Z dhgljhey dZq_kl\Zh\p_l e g d r z _ l l w d k j j m k l g h] h i j h n b e y i Z j l b b h
 eZ[hjZlhjghc_kk b h b f b d h e h] b q _ k d b _ b k i u l Z g b y l j _ [h \ Z g b y [_ a h i Z k g h k l
 gbjh\Zgb_f dZf_ju j_]meyjguf dhgljhe_f ml_q_d K<Q b kh[ex^_gb_f g
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Djh_f_lh]h keZ[Zy bgl_]jZpby fbdjh\hegh\hcs bfbZ[h]jdb_`gkreb]kq\kdb
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