

Excellent Center Excellent Center of Waste Utilization and Manage

ÈÙ'Âì¤ÇÒÁà»ç¹àÅÔÈà©%ÒÐ·Ò§'éÒ¹;ÒÃ"Ñ'¡ÒÃ
áÅÐâ¤é»ÃÐâÂ¤í"Ò;çÍ§àÈÖÃÍØµÊÒË;ÃÃÁ;ÒÃà;ÉµÃ

Excellent Center of Waste Utilization
and Management (ECoWaste)

¤ÇÒÁà»ç¹ÁÒ¢Í§ÈÙ'Âì ECoWaste

ÈÙ'Âì¤ÇÒÁà»ç¹àÅÔÈà©%ÒÐ·Ò§'éÒ¹;ÒÃ"Ñ'¡ÒÃ áÅÐâ¤é»ÃÐâÂ¤í"Ò;çÍ§àÈÖÃÍØµÊÒË;ÃÃÁ;ÒÃà;ÉµÃ (Excellent Center of WECoWaste à»ç¹È¹èÇÂ§ò¹ÀòÅãµé¤ÇÒÁèÇÁÁxí§È¶ò¹Ñ²¹òáÅÐ½òíÅÃãÅ§§ò¹µé¹áºº áÅÐ¤³Ð·Ñ%Åò;Ã¤ÓÇÀò%åÆ ÈÙ'Âì%Ñ¹øíçòéç;ÃÃÁáÅÐà·¤â¹âÅÃÓ¤ÓÇÀò%åÆ§¤Óµô (¤âºáíà¤) ÊÓ¹Ñ;§ò¹%Ñ²¹òçò·ÅòÈòÉµÃíáÅÐà·¤â¹âÅÃÓ¤Ée§¤Óµ áÅÃÓéÅ"Ò;òÅÃÃç;ÃØæçÍò"ÒÃÃí"Ñ;çò"ÑÃáÅÐçòéç;Ã ·ÒeÉ¹ä"éÒ¹;ÒÃºÓºÑ"éÓàÈÖÃµÑé§áµè»Ó%É. 2523 áÅàé¹éÓàÈÖÃ"Ò;âÅ§§ò¹á»é§éòç¹éÓÃÑ¹ÈÓ»ÐéÃÑs á»é§éòç¹éÓÃÑ¹»ÒÃ;Ã ÌØÈÃáÅÐ%ÅäÅéé;ÃÐ»éí§ áÅä¤éà·¤â¹âÅÃÓº¤Åé¤éíÒ·ÒeÈòÅÓÅ¶ºÓºÑ"éÓàÈÖÃ áÅÐ%ÅÔµ%ÅÑ§§ò¹á"ééçâ;ÃÐºç¹;ÒÃ;òÅç;ÃÑ¢§;ÃðøéÅ¹óéäéåÅòéÅ§ò¹·Ò§'éÒ¹; ÈÑ;Ãð¹·Ãi ÅUÅÓÃÑµ¹·Òèà»ç¹¼ÙéºØ;òÅ; "Ò;âÅ§;Ã§;ÃÖ;òÅ¤é»ÃÐâÂ¤í"Ò;çÍ§àÈÖÃâÅ§§ò¹íØµÊÒË;ÃÃÁíØÈÖÃ "Öe§äééÅN (AAECP) á¤ÇÒÃÃèÇÃÁxí§ ASEAN Working Group on Food Waste Materials á¹âÅÔéÅÃ; áÅÐÍò"ÒÃÃí·Ñé§ 2 ·èÒ¹ä"é%Åñ;¡Ñ¹;¡éíäEéà;Ò;¡ÅðèÅç;ÃÑâ·¤â¹âÅÃÖ;èÒ«¤ÓçÀò%¤Óé¹äÈòÅç;ÃÓà·¤â¹âÅÃÓ¤ÓçÀò%¤³Ð%ÅÑ§§ò¹áÅÐç;ÃµÑé§íÅÙè·ÒeÅÈòÅç;ÃÒÅÃÑâ·¤â¹âÅÃÓ%ÅÐ"ÍÅ;¡ÅéÒ;¹ØÅ – ;Ò§Á'áÅÐä¹»Ó 2539 ;ÅðèÅç;ÃÑâ;ÓéÅÖ;òÅç;ÃÅ¤Å§ "Ö§äéà»ÅðèÅ¹axé;à»ç¹Èé§»"ÒºÑµ;òÅç;ÃÑâ"éÒ¹;òÅ"Ñ;¡ÒÃáÅÐâ¤é»ÃÐâÂ¤í"Ò;çÍ§àÈÖÃ (Waste Utilization and Management) áÅÐâ¤éÅéÅÃÃò·ÒeÅÈòÅç;ÃÒÅÃÑâ·¤â¹âÅÃÓ%ÅÐ"ÍÅ;¡ÅéÒ;¹ØÅ – ;Ò§ç;Ø¹;òÅ;¡ÅéÅxé;»Ó%É. 2543 µéíÅðä¹»Ó%éÅ;¡ÅéÅN¤ç;Öé¹à»ç¹ÈÙ'Âì¤ÇÒÁà»ç¹àÅÔÈà©%ÒÐ·Ò§'éÒ¹;òÅ"Ñ';òÅÃáÅÐâ¤é»ÃÐâÂ¤í"Ò;çÍ§àÈÖÃÍØµÊÒË;ÃÃÁ;ÒÃà;ÉµÃ «ç

"Ò;òÅç;ÃÑâÅÐ%Ñ²¹òíÅèÒ§mèíà¹xéí§Åòà»ç¹àÇÅò;çèò 20 »Ó çí§ÈÙ'Âì ECoWaste ·ÓäEé§ò¹·Ò§'éÒ¹;èÒ«¤ÓçÀò%·Òèà «Öe§à;ÖÅà»ç¹¤Å§;Ñ;¡É³Ð;òÅ¹;ÅÖ;¡éÒ«¤ÓçÀò%¤Åç;ÃÀçéÅò¤»·Ò§ç;Ã·ÅòÈòÉµÃíÅèÒ§á·éÅò§·Ò§ÈÙ'Âì ECoW áÅÐÅÖ;·¤â¹âÅÃÖ;1ÅÐ N°íØµÊÖ;ÃÃÃâ' à;é¹;1ÅUÅÓÃÖ;1Óéç;§;ÃÅÖ;òÅ¤é»ÃÐâÂ¤í"Ò;òÅ"Ñ;¡ÒÃºÓºÑ"éÓàÈÖÃáÅÐ;òÅ"Ñ;

ÇÔÊÑâ·ÑÈ¹

ECoWaste ÁØè§ÈÙ'Âì¤ÇÒÁà»ç¹ÈÙ'Âì¤Ñé¹Óç;§;ÃÅÙÅÔ;Àò¤; à¹;òÅ%Ñ²¹òà·¤â¹âÅÃÖ;òÅ"Ñ'¡ÒÃç;§;ÃÈÖÃÍØµÊÒË;ÃÃÁ;ÒÃà;ÉµÃ

%Ñ¹;¡Ò"

·Ó;òÅç;ÃÑâÅÐ%Ñ²¹ò;à³xé;í;òÅ»ÃÑ»ÃØ§;ÃÐºç¹;òÅ%ÅÔµ;íØµÊÒË;ÃÃÃà;ÉµÃäEÅÖ;òÅ¤é·ÅÑ%ÅÖ;ÃÍÅèÒ§ÅÖ»ÃÐÉ; àÅà©%ÒÐ'éÒ¹;òÅ"Ñ;çí§;ÃÈÖÃáÅÐ;òÅ%ÅÔµ;èÒ«¤ÓçÀò%¤à³xé;í;Ãé;Ò§ç;Ã¤ÇÒÃÃÙé;áÅÐà·¤â¹âÅÃÖ;Òè;ÃÒÐ;É;¤Ñ;

à»éÒËÁÒÂ

ÈÙ¹Âì ECoWaste "ÐÁØè§à¹é¹;ÒÃÇÔ·ÑÂà¾xèÍ;ÒÃ¾Ñ²¹Òà·¤â¹âÅÂÖ/;ÒÃÍÍ;áºº;ÒÃ¼ÅÔµ;éÒ«¤ÓÇÀÒ¾·Ò§ÇÔÈÇ;ÃÃÁ §Ò¹ÇÔ
áÅÐ¾xé¹Ò·Ò§'éÒ¹ÇÔÈÇ;ÃÃÁ à¾xé¹Ñ²¹ÒäÉéÅÐºº.Ò§Ò¹ä'éíÅèÒ§àµçÁ»ÃÐÉÔ·ÒÃÓ¾ÈÙ§ÈØ' áÅÐà¾ÒëÁ»ÃÐÉÔ·ÒÃÓ
¹;Ò;ÒéÅÑ§ÈØ;ÉÒ;ÒÃ·Ñ';ÒÃç§àÈÓÂáÅÐ;ÒÃ¹Óç§àÈÓÂä»äºé»ÃÐâÅº¹;ÃÇÁ¶;ÒÃÓÃ»ÃÓÅÒ³ç§àÈÓÂä¹ÍØµÈÒË;ÃÃÁà
ÅÖ»éÒËÁÒÂ·ÒëÉÓ·Ñ- à¾xé¹Ee§àÈÃÓÄ;ÒÃÇÔ·ÑÂáÅÐ¾Ñ²¹Ò¶;Ò·À·¤â¹âÅÂÖä»ÈÙe;ÒÃäºé§Ò¹ä'åºÓ¾Ò³Ô·À·ÃÇÁ·Ñ
À·ÒÃ¾Òë§¾Ò·¤â¹âÅÂÖ·Ò|µèÒ§»ÃÐà·È·À·ÒÃ¹Òä¢éÒ¾·Ñ§§Ò¹ä'åºÓ¾Ò³Ô·À·ÃÇÁ·Ñ

¡ÅØèÁ§Ò¹ÇÔ·ÑÂ (Key Research Areas)

§Ò¹ÇÔ·ÑÂáÅÐ¾Ñ²¹Òä¹;ÅØèÁ¹Òéà¹é¹ 4 á¹Ç·Ò§ËÁÑ;¤xí

- ¡ÅØèÁ§Ò¹ÇÔ·ÑÂ 'éÒ¹·ØÅÔ¹·ÃÕÂìÈÖ;ÉÒ (Microbiological and Biochemical Aspect)
à¾xé¹ÉÒ;ÉÒçéÍÅÜÅ¾xé¹Ò·Ò§'éÒ¹·ØÅÔ¹·ÃÕÂìáÅÐ¤ÒÃç;ÃÓà¤ÒéÅç;Ñ';ÃÐº¹;ÒÃÂèÍÅÈÅÒÂÉÒÅÍÒ·ÃÕÂìä¹ÈÀÒÇÐäÅèæ
áÅÐº·Ò·¤ÇÓÅÉÑÁ¾Ñ¹;çí§·ØÅÔ¹·ÃÕÂìä¹ÃÐººÒ·Ñ¹éÒæÈÓÂäºÒ·µèÒ§æ'å¹¶Ñ§»·Ò;À³;ÉÒ;ÉÒåÅÐ¾Ñ²¹Ò¶Ñ§»·Ò;À³;jÓ·Ñ';éÒ«¤â;À·¹«ÑÄä;¿;ïä;¹é
ÃÇ·Ñé§çÅÔÅ¼Å;ÒÃÇÔ·ÑÂ·Òëä'é;Ò;ÉéÍ§»·ÒºÑµÒ;ÒÃà¾xéÍ;Òä»åºé·Ò§ä¹ÅÐ·ÑºÍØµÈÒË;ÃÃÁ

- ¡ÅØèÁ§Ò¹ÇÔ·ÑÂ 'éÒ¹ÃÐºº¤Ç¤ØÅáÅÐáººÒ·ÅÍ§·Ò§¤ºÒ·ÈÒµ;ÉÒµ;Ãì (Computational Aids and Process Optimization) ·Òà¹Ò¹§Ò¹à·
·ÒëÈÒÅÅ¶;·Ò¹ÒÂÈÀÒÇÐä¹ÃÐººÒ·Ñ¹éÒæÈÓÂäºåºéÒ;ÒÈä'éíÅèÒ§åÅè¹ÅÓáÅÐÃÇ·àÃçÇ áÅÐ¾Ñ²¹ÒÅÙ»åºº;ÒÃ¤Ç¤Ø

- ¡ÅØèÁ§Ò¹ÇÔ·ÑÂ 'éÒ¹ÈÒè§áÇ·ÀéíÅáÅÐ;ÒÃ·Ñ';ÒÃ (Environmental Research and Management) ÈÒ;ÉÒ¶Ò§¤ÇÒÅà»ç¹ä'é
áÅ¤ÇÓÅà;ÈÀÒÐÈÅç§;ÒÃ¹Òä·¤â¹âÅÂÖ·Òëä'é;Ò;ÉéÍ§»·ÒºÑµÒ;ÒÃä»ÈÃéÒ§åÅÐ¤ºé§Ò¹·ÃÕ§ä¹ÅÐ·ÑºÍØµÈÒË;ÃÃÁ
ÈÒ;ÉÒåÅÐ»ÃÐàÅÔ¹¼Å;ÃÐ·¤ç§;ÒÃ;éíÅèÒ§ÅÐººÒ·Ñ¹éÒæÈÓÂ·Ñé§ä;å§èÈÀÒÇÐäÇ·ÀéÍÀ;àÈÃÉ;Ò·ÅÐÈÑ§¤;À;ÈÒ;ÉÒåÅ
ÃÇ·Ñé§;ÒÃµÒ;µÒÅáÅÐµÃÇ»·ÃÐàÅÔ¹âÅ§§Ò¹ÍØµÈÒË;ÃÃÁ ÃÐººÒ·Ñ¹éÒæÈÓÂººµèÒ§æ·Ñé§ä;å§è;ÒÃäºé·Ñ¾ÅÖ;À;ÒÃ

§Ò¹ºÅÔ;ÒÃáÅÐä;Èé¤Ó»ÃÖ;ÉÒ'éÒ¹ÈÒè§áÇ·ÀéÍÁ

çÑµ¶Ø»ÃÐÈ§¤i

ÈÙ¹Âì¤ÇÒÅà»ç¹äÅÔÈà¤ÒÐ·Ò§'éÒ¹;ÒÃ·Ñ';ÒÃáÅÐäºé»ÃÐâÅº¹;Ò;ç§àÈÓÂÍØµÈÒË;ÃÃÁ;ÒÃà;ÉµÃ ÁÕÈèÇ¹§Ò¹ÅÔ;ÒÃÇ

- Èe§àÈÃÓÅ;ÒÃäºéÍ§¤ÇÒÅÙéä¹;ÒÃ·Ñ';ÒÃáÅÐäºé»ÃÐâÅº¹;Ò;ç§àÈÓÂâ;À·ºéÍØµÈÒË;ÃÃÁ;ÒÃà;ÉµÃ 'éÇÂà·¤â¹âÅÂÖ;Ò
à¾xéÍÅÉéä'é¾ÅÑ§§Ò¹;Ò;ç§àÈÓÇÀÒ¾ÅÐ¤èÇÅÄÑ;ÉÒÈÒè§áÇ·ÀéÍÁ

- ¤ÅÔ;ÒÃáÅÐä;Èé¤Ó»ÃÖ;ÉÒ'éÒ¹;ÒÃ·Ñ';ÒÃÉÒè§áÇ·ÀéÍÁ µÁ;à;ç¹;Òè»ÃÖ;ÉÒä¹;ÒÃÍÍ;áººÃÐººÒ·Ñ¹éÒæÈÓÂ

- ÅÑº;ÉÍáÅÐÈÖ;ÉÒÇÔ·ÑÂÃèÇÁ;ÑºË¹éçÂ§Ò¹µèÒ§æ·ÒèÈ¹ä"

- à»ç¹È¹èÇÂ§Ò¹»ÃÐÈÒ¹§Ò¹áÅÐ·Ñ¹½Ö¡íºÃÁ à¾xéÍ¶eÒÅ·Í¤ÇÒÁÃÙéáÅÐ»ÃÐÈº;ÒÃ³i·Ò¹¼ÙéàºÖèÅÇº·ÈÙè;ÒÃºé§Ò¹·ÃÐ§

;ÒÃÍí;áºº

- ÃÑº»ÃÐàÁÔ¹áÅÐÈÒ;ÉÒ¤ÇÒÁà»ç¹ä»ä'éä;¡ÒÃ;éíÊÃéÒ§ÃÐºººÓºÑ¹éÓàÊÒÃ
- ãËé¤Ó»ÃÖ;ÉÒ íí;áºº áÅÐ;éíÊÃéÒ§ÃÐºººÓºÑ¹éÓàÊÒÃ
- ãËé¤Ó»ÃÖ;ÉÒ 'éÒ¹;ÒÃºé»ÃÐâÅº¹;Ò;í;éÒ«ºÃÇÀÒ¾

;ÒÃºé¤Ó»ÃÖ;ÉÒ

- ãËé¤Ó»ÃÖ;ÉÒº¹;ÒÃ¤Çº¤ØÁ 'ÙáÅ;¡ÒÃ'Óà¹Ô¹ÃÐºººÓºÑ¹éÓàÊÒÃ
- ÃÑº'ÙáÅáÅÐµÔ'µÒÃÃÐºººÓºÑ¹éÓàÊÒÃ
- µÃÇ»ÃÐàÁÔ¹áÅÐá;éä¢ÃÐºººÓºÑ¹éÓàÊÒÃ·ÖèÅéÁàËÅÇ
- ãËé¤Ó»ÃÖ;ÉÒº¹;ÒÃàÃÖèÅµé¹ÃÐºººÓºÑ¹éÓàÊÒÃ (Startup)
- ãËé¤Ó»ÃÖ;ÉÒº¹;ÒÃ'Óà¹Ô¹;¡ÒÃºé»ÃÐºººÓºÑ¹éÓàÊÒÃ
- à»ç¹µé¹

.·ÈíºáÅÐ»ÃÐàÁÔ¹¼Å

- .·ÈíºáÅÐ»ÃÐàÁÔ¹¤ÇÒÁÊÒÃ¶ä¹;¡ÒÃ¹¼ÅÔµ;éÒ«ºÃÇÀÒ¾;Ò;¡ÇÑÉ·Ø ¢í§àÊÒÃµ;éÒ§æ
- .·Èíº¤ÇÒÁà»ç¹¾ÔÉ¤Í§ÈÒÃµ;éÒ§æµ;éÍ;¡ÃÐºÇ¹;¡ÒÃ¹¼ÅÔµ;éÒ«ºÃÇÀÒ¾
- .·Èíº;¡ÒÃÃ¤;¡ÃÊÅÒÃ¢í§àÊÒÃ·ÖèÊÀÒÃµ;éÒ§æ ¢¹ÃÐ·ÑºÈéÍ§»-ÔºÑµÔ;¡ÒÃ
- ÃÑºµÃÇ»ÃÐàÁÔ¹»ÃÐÈÒ·;ÔÀÒ¾¤Í§ÃÐºººÓºÑ¹éÓàÊÒÃ
- µÃÇ»ÃÐàÁÔ¹;¡ÒÃºé»·ÃÑ¾ÅÒ;¡Ã áÅÐ;¡ÒÃ¹¼ÅÔµ¢í§àÊÒÃ¢í§ÃÐººµ;éÒ§æ
- á;éä¢ Å'¡ÒÃ;éíäÈéà;¡Ô¢í§àÊÒÃ¤¹¢Ñé¹µíµ;éÒ§¢í§;¡ÃÐºÇ¹;¡ÒÃ¹¼ÅÔµ
- à»ç¹·Öè»ÃÖ;ÉÒº¹;¡ÒÃ»ÃÑº»ÃØ§;¡ÃÐºÇ¹;¡ÒÃ¹¼ÅÔµ à¾xéÍÅ'»ÃÐâÅº¹¢í§àÊÒÃ
- à»ç¹·Öè»ÃÖ;ÉÒº¹;¡ÒÃ»ÃÑº;¡ÒÃ¢í§àÊÒÃ¤¹¢í§àÊÒÃ

íºÃÁ/ÊÑÁÁ¹Ò

- ÃÑºÑ¹½Ö¡íºÃÁ ÈÑÁÁ¹Ò ;¡ÒÃºé»ÃÐâÅº¹;¡Ò;¢í§àÊÒÃ»ÃÐàÅ·µ;éÒ§æ

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à»ç¹µé¹

§ò¹çô”ñâ·õè’óà¹ô¹;òää¹ëç§»õ ¾.È . 2549-2551

- à¤Ã§;òÃÉè§àÃÅÔÁ;òÃ¹¼ÅÔµjêò «“õçÀò¾à¾xéíà» ç¹¾åñssò¹·á·á¹âÃ§sò¹íøµêòë;ÃÃÁ;òÃà;éµÃ
- ;òÃÉè§àÃÅÔÁ;òÃà;ò‘;òÃìÁ;aõçä¹ëç§àÃÔèÃµé¹Ãðººóñ¹éóàÃÖÃäÃéíò;òÃáºò;¹/4Ã
- ;òÃµÃç”éíºµòÃìÅØèÃ»Ãðºò;Ã”øÅö¹·ÃöÃì Syntrophic Acetogenic Bacteria à¹Ãðººóñ¹éóàÃÖÃáºäÃéíò;òÃâ’Ãäºé 1 hybridization
- ;òÃ¢ÃòÃ¢¹ò‘;í§ñ»-ò;Ã³iêóëñº;òÃ¹¼ÅÔµjêò «“õçÀò¾â·Ãäºé·Ãé@ò;òÃ¤ó¹ç³¾åèòëµÃìçí§äÃ Computational fluid
- ;òÃ»ÃðÂø;µäºé;ñ»-ò;Ã³iäÃèäºéíò;òÃáºò;¹/4Ãéëóëñº;òÃ¹¼ÅÔµjêò «“õçÀò¾â·Ãðººóñ¹éóàÃÖÃ”ò;âÃ§sò¹íøµêç
- ;Ãù»áº;òÃàÃÖèÃµé¹Ãðºº.òèàÃòÃðéÃµèí;ÃðèÃ”øÅö¹·ÃöÃìä¹;òÃìÁ;aõç à¾xéíè§àÃÅÔÁ»Ãðéò;·òÃ·ó;ò¹çí§ñ
- á¹ç·ò§;òÃÅ’;òÃÉù-àÃÖÃá»é§áñ¹éó»ðëÃñ§’éçâºéä«â¤Å¹
- ;òÃ¾ñ²òäíâ’Ãä«â¤Å¹à¾xéíà¾òéÃ»Ãðéò;·òÃò¾;òÃáâ;á»é§éóëñºéçâ;á;á»é§áñ¹éó»ðëÃñ§
- ¼Ãçí§áøÃáÃð¤çòÃàÃçççí§éó@ò;á¹;òÃé;ñ’á»é§çí§;Ãðºç¹;òÃ¹¼ÅÔµá»é§áñ¹éó»ðëÃñ§
- áººóáí§·ó¹òÃà¾xéíç¤çºøÅ;ìÃðºç¹;òÃíºáëé§á»é§áñ¹éó»ðëÃñ§
- à¤Ã§;òÃçô”ñâ·Ãð¾ñ²;ò;Ãðºç¹;òÃ¹¼ÅÔµá»é§áñ¹éó»ðëÃñ§à¾xéíà¾òéÃ»Ãðéò;·òÃò¾é¹éçâ¼ÅÔµ áÅðâ’;òÃäºé·Ã
- ;òÃèò;éòëñ;âÀò¾à·¤â¹âÃÖéëÃñº¼ÅÔµjêò «“õçÀò¾â;Ãðà·éä·â
- ;òÃèò;éòëñ;âÀò¾à·¤â¹âÃÖéëÃñº¼ÅÔµjêò «“õçÀò¾”ò;¤õçÁçâ;á»Ãðà·éä·â
- ;òÃèò;éò¹ò’áÃð;òÃà»ÃðèÃ¹á»Ã§çí§”øÅö¹·ÃöÃìä¹ëíâÃöéÃ§;øé§áººñ²;ò
- ;òÃèò;éòººóáí§”á¹èòëµÃìçí§;òÃâèíÃéÃòÃçí§àÃÖÃ.òèÃÖí§;»Ãð;íºà«ÃÅùâÃÉà»ç¹éÃñ;à¾xéí;òÃ¹¼ÅÔµÃò;·
- ;òÃµÃç”éíºà¾xéí”øÅö¹·ÃöÃì·òéÃñºøÅçÔµâ·Ãäºé carboxyfluorescein diacetate (cFDA) à¾xéíäºéä¹;òÃ»ÃðàÃö¹¤ºéÃºñµøçí§;à¾xéí”øÅö¹·ÃöÃìñé§;éÃðººóñ¹éóàÃÖÃáºäÃéäºéíò;òÃ
- ;òÃ»ÃðàÃö¹·¤â¹âÃÅÖáÃðèñ;âÀò¾à;ééçñé’ø;ò§;òÃà;éµÃáÃð¾x¤»Ãù;à¾xéí¾åñssò¹éóëÃñº;òÃ¹¼ÅÔµjêò «“õçÀò¾
- ;òÃäºé;ñ»-ò;Ã³iáºò;¹/4Ãä¹;òÃºóñ¹éóà¾xéíÃð¹àçÃö¹ó;ÃñºÅöäºéä¹âÃ§sò¹á»é§áñ¹éó»ðëÃñ§;áÃð’ñºíøµêé
- ;òÃèò;éò»Ãðºò;Ã”øÅö¹·ÃöÃì·òéÃççéí§;ñº;òÃà;ò;¡Ãéíçí§;éíéè§;éò «,ÃÃÁºò;éçâ;¤¹ò¤ãõççò;·òÃâÃàÃ;ò;
- ;òÃ·ó¤çòÃÉ;ò;¡éò «“õçÀò¾â·Ãçò;·ò;¤õçÀò¾”éçâ Biofilter

- à»ç¹µé¹

ºØ¤¤ÀÒ¡Ã

¤¤Ð·Õè»ÃÖ¡ÉÒ

- ÈÒÊµÃÒ"ÒÃÂì 'Ã. ÁÃ¡µ µÑ¹µÔà"ÃÔ-
- Áí§ÈÒÊµÃÒ"ÒÃÂì 'Ã. ÈÑ¡ÃÔ¹·Ãì ÀÙÁÔÃÑµ¹
- Áí§ÈÒÊµÃÒ"ÒÃÂì 'Ã. ÈØÇÔ·Ãì àµÔÃ
- Áí§ÈÒÊµÃÒ"ÒÃÂì 'Ã. ªÉì ÈØÇÃÃ³Ãx¹
- Áí§ÈÒÊµÃÒ"ÒÃÂì ºØÉÂÒ ºØ¹¹Ò¤
- Áí§ÈÒÊµÃÒ"ÒÃÂì 'Ã. ÀÒÇÔ³Õ ªÑÂ»ÃÐàÈÃÔ°

¼ÙéÍÓ¹ÇÃ¡ÒÃÈÙ¹Ãì ECoWaste

- 'Ã. íÃÃ³¾ ¹¾ÃÑµ¹ì

¤¤Ð·Ó§Ò¹

- 'Ã. ªÔ¹¾§Èì ÇÑ§ã¹
- ¤Ø³"§¡Ã ¾Ù¹·ÇÔ
- ¤Ø³¹Ñ¹·ÔÂÒ à»»ÐµÑ§
- ¤Ø³»ÃÐ·Ô¹ ¡ØÅÅÐÇ³ÔªÂì
- ¤Ø³ÇÒÃÔ¹ ÃÑ¡ÃèÇÁ
- ¤Ø³àÍ¡ÈÔ·Ôì à¹¾ÔÃÔÂªÑÂ
- ¤Ø³¹ÔÁÒÃ 'Ô ºØ-ÍØ¾Ñ·Ôìà"ÃÔ-
- 'Ã. ÇÃ¡ÄÉ ÈØÇ"ÔµµÔ¹¹·ì *
- 'Ã. ÈÁà¡ÔÂÃµÔ àµª¡Ò-""ÒÃÑ¡Éì *
- 'Ã. àº-¾Ã ÈØÃÒÃÑ¡Éì *
- 'Ã. ÇÃÔ¹,Ã È§¤ÈÔÃÔ*

- 'Ã.ÁÒÅÔ¹Ó ÅÔâ·ªÇÅÔµ *
- ¸Ø³ÇØ²Ô³§Éí ÈÃÖ·Í§¤Ó *
- ¸Ø³³/₄Ã³/₄Ã³ ¾Ò³Ô³Âì¹ÓÊÔ¹ *

* ॰Ø¤¤ÅÒ¡ÃÀÒÅÃãµé¤ÇÒÁÃèÇÁÃxí¡ÑºÈÙ¹Âì³/₄Ñ¹,ØÇÔÈÇ¡ÃÃÁáÅÐà·¤â¹âÅÅÔ¤ÓÇÀÒ³/₄áËè§¤ÓµÔ

·ÕèÍÅÙèµÔ'µèÍ

ÈÙ¹Âì¤ÇÒÁà»ç¹àÅÔÈà©³/₄ÒÐ·Ò§'éÒ¹¡ÒÃ·Ñ'¡ÒÃ áÅÐã¤é»ÃÐâÅ¤¹¡·Ò¡¢Í§àÈÖÅÍØµÊÒË¡ÃÃÁ¡ÒÃà¡ÉµÃ
ÁËÒÇÔ·ÅÒÅÑÃà·¤â¹âÅÅÔ³/₄ÅÐ·ÍÅà¡ÅéÒ,¹ºØÅÔ
àÅ¢·Õè 83 ËÁÙè 8 á¢Ç§·èÒ¢éÒÁ
à¢µºÒ§¢Ø¹à·ÕÅ¹ ¡ÃØ§à·³/₄ÅËÓ¹¤Ã 10150

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