

gwl cixiv c'vj x

Re c`v %bi/cb (ORGANIC MATTER TEST)

1| OM-1 `eb c'Z c'vj x

GKwU fj j'gUJK d'`vbb Ges Gi Dcti GKwU dvtbj `vcb Kip| OM-1 wi G'R'Ui GKwU c'v'KU t'KtU wi G'R'U dvtbj Xij p| I qvk tevZtj i mrvth` wWoi I qvUvi w`tq atq atq wi G'R'U fj j'gUJK d'`vbb Ges AvbgwbK 90 wg.wj . (d'`v' i Mj v chSZ) cwb w`tq fvj f'vte Svk'tq OM-1 wi G'R'U c'f'vcyi `uj t'q wbb| wi G'R'U c'f'vcyi Mtj hvevi ci `vM chSZ cwb w`tq 100 wg.wj . `eb `Zix Kip| `eb OM-1 Lwj tevZtj msi q'lb Kip|

2| GKwU i Kbv Kubt'Kj d'`v' m'VK f'vte 1.00 M'g evZv'm i Kbv gwU wbb| w'ct'ct'Ui mrvth` 6 wg.wj . OM -1 `eb Kubt'Kj d'`v' i w'f'Zi w`b| w'la'kt' h'al'k'ab'ave c'k'ak'are w'ur'ie m'at'i b'iz'ie n'in | k'm'p's'f' 5 m'in'it' re'xe d'in |

3| cvP w'g'ubU ci 10 w'm'w' w'm'j U'v't'i mrvth` 10 wg.wj . OM-2 (G'w'W) wbb Ges d'`v' i w'f'Zi G'K'ev't'i t'X'tj w`b (d'`v' i M'v t'n't'l X'j'v h'v'te b'v) | d'`v' w'U h'al'k'ab'ave c'k'ak'are w'ur'ie m'is'h'an | G't'Z 0.5 wg.wj . OM-3 w`b Ges w'g'k'v'b| K'g'c't'q' 5 w'g'ubU t'i't'l w`b|

4| cvP w'g'ubU ci 50 w'm'w' w'm'j U'v't'i mrvth` 50 wg.wj . w'Woi I qvUvi d'`v' X'j'p Ges V'u'v n'l q'v'i R'b` t'i't'l w`b|

5| d'`v' w'U V'u'v n'tj `e't'bi is j'q' Kip| 3 t'd'v'v OM-4 `eb w`b Ges w'g'k'v'b| gwU't'Z `Re c`v' `P c'w'g'v'b 4% ev Z'v'i t'ek'x `v'K'tj OM-4 t'`q'v'i m't'1/2 m't'1/2 `e't'bi is m'e'R t'`t'K n'j K'v L't'q'ix n'te| A'v'i h'w` is c'w'i e'Z'v' b'v n'q, c'ie'Z'p'ar'c A'b'yn'i Y K'i't'Z n'te|

6| OM-5 `eb c'Z c'vj x

GKwU fj j'gUJK d'`v'bb Ges Gi Dcti GKwU dvtbj `vcb Kip| OM- 5 wi G'R'Ui GKwU c'v'KU t'KtU wi G'R'U dvtbj Xij p| I qvk tevZtj i mrvth` wWoi I qvUvi w`tq atq atq wi G'R'U fj j'gUJK d'`v'bb| W'c'v't'i mrvth` 2 wg.wj . OM-2 (Acid) w`b| AvbgwbK 90 w'g't'w'j t' cwb w`tq (d'`v' i Mj v chSZ) fvj f'v'te Svk't'q OM-5 wi G'R'U c'f'vcyi `uj t'q wbb| wi G'R'U m'c'b'q' Mtj hvevi ci `vM chSZ cwb w`tq 100 wg.wj . `eb `Zix Kip| `eb OM-5 Lwj tevZtj msi q'lb Kip|

7| e'f'i't'Ui mrvth` OM-5 `eb w`tq U'v'U'k'b Kip A_ev W'c'v't'i mrvth` 0.5 wg.wj . OM-5 `eb G'K'ev't'i d'`v' i w'f'Zi w`b Ges w'g'k'v'b| h'Z'q'lb chS m'e'R is c'w'i e'Z'v' n'tq n'j K'v L't'q'ix is b'v n't'c'c' Z'Z'q'lb U'v'U'k'b Kip A_ev 0.5 wg.wj . K't'i OM-5 `eb w`t'Z `v't'K'b| c'U't'g `e't'bi is m'e'R n'te Ges G'K' c'h'v'q OM-5 t'`q'v'i m's't'M m's't'M m'e'R is L't'q'ix n'tq h'v'te| is c'w'i e'Z'v' n'l q'v'i g'n't'Z'g'v'U K'Z wg.wj . OM-5 L'i'P n't'q't'Q Z'v' t'i K'W'q'k'i't'Z n'te|

b'p'i d'ig'j'v'e'`n'v'i K't'i %Re c`v' `P c'w'g'v'b w'b'q' Kip|

$$%Re\ c`v`_`P = 0.69 \times (6 - OM-5\ wi\ G'R'U\ Li\ P)$$

$$t'U'v'U'j\ b'v'U'k'b = \%Re\ c`v`_`P \div 17.2$$

d'ig'j'v'Z t'U'v'U'j b'v'U'k'b' t'bi g'v'b e'`n'v'i K't'i b'v'U'k'b/BD'ni q'v' m'f'i i c'w'g'v'b w'Y'q' K'i't'Z n'te|

De'P'Z'v'i t'k'bx	A'w'Z' v'bæ	w'bæ	g'a'g	D'Ëg
`Re c`v`_`P (%)	≤ 1.0	1.1-1.7	1.8-3.4	3.5-5.5
t'U'v'U'j b'v'U'k'b (%)	≤ 0.075	0.076-0.15	0.151-0.226	0.227-0.30

A'e'Z'v'bi/cb (pH TEST)

1| GKwU t'm'k's w'U'D'te 10 M'g i Kbv gwU i b'g'p'v wbb|

2| w'U'D'te i w'f'Zi 50 w'm'w' w'm'j U'v't'i mrvth` 25 wg.wj . w'Woi I qvUvi w`b Ges 2 t'd'v'v pH-1 Ges 2 t'd'v'v pH-2 r'i'e'z'e'n't' d'in | e'k't'i g'w'a's r'ad w`tq fvj f'v'te w'g'k'v'b| 5 w'g'ubU t'i't'l w`b|

3| cvP w'g'ubU ci A'v'i G'K'ev'i w'g'k't'q w'd'ev'i w'U'D'te w'd'ev'i t'c'c'v'i e'w'm't'q w'd'ev'i Kip|

4| GKwU t'U'o w'U'D'te 5 wg.wj . gwU i w'b'h'f'k' wbb| w'K 3 t'd'v'v pH-3 wi G'R'U w`b| w'U'D'te i g'l' e'U' K't'i D'ci - b'x'P K't'i w'g'k'v'b|

5| h'w` pH-3 t'`q'v'i ci `eb n'j K'v m'e'R t'`t'K b'j is a'v'i b' K't'i (1'bs P'v't'U'P is Gi g'Z) Z'v't'j 1'bs P'v't'U'P is Gi m'v't' w'g'w'j t'q pH w'b'q' Kip|

6| h'w` pH-3 t'`q'v'i ci `e't'bi is n'j n'q Z'v't'j w'K 2 t'd'v'v pH-4 wi G'R'U w`b Ges w'g'k'v'b| i w'z'b `eb m'v'c'j w'U'D'te wbb Ges 2'bs P'v't'U'P is Gi m'v't' w'g'w'j t'q pH w'b'q' Kip|

7| pH-4.5 I 5.0 y't'h'a'k'r'm'e' g'a'c' h'l'u'd' o' h'al'k'a' h'l'u'd' | e'd'e'r' b'e'l'a'y' b'i'd'r'a'n't'i t'`L'v' w`t'j D'f'q' t'q'it'i pH 5 A_ev Gi K'g' w'm'v'te M'b` K'i't'Z n'te| m'v'c'j is l' P'v'U'g's u'e'u' b'v' w'g'j t'Z c'v't'i , t'K'v'b GKwU P'v'U'g's Gi t'p't'q t'ek'x A'v'e'i c'ie'Z'p'is Gi t'p't'q K'g' n't'Z c'v't'i | t'm' t'q'it'i H`w'U is Gi g'a'e'Z'p'H Gi g'v'b w'b't'Z n'te|

cwb't'Z w'g'w'j/4Z gwU i A'e'Z'v'bi/cb (Submerged Soil pH Test)

8| cwb't'Z w'g'w'j/4Z R'w'gi w'f'R'v 15 M'g gwU GKwU t'm'k's w'U'D'te wbb|

9| G't'Z 10 w'm'w' w'm'j U'v't'i mrvth` 10 wg.wj . w'Woi I qvUvi w`b| 2 t'd'v'v pH-1 Ges 2 t'd'v'v pH-2 d'in | e'k't'i g'w'a's r'ad d'ie'ye m'is'h'an |

10| cvP w'g'ubU ci w'd'ev'i w'U'D'te w'd'ev'i t'c'c'v'i e'w'm't'q w'd'ev'i Kip|

11| D'ct'i i 4-7 b's a'v'c' A'b'yn'i b' Kip|

cwbi A'e'Z'v'bi/cb (Water pH TEST)

12| GKwU t'U'o w'U'D'te 5 wg.wj . c'w'i `v'i c'w'b wbb (h'w` c'w'b t'N'j'v' n'q Z'v't'j w'd'ev'i K'i't'Z n'te)|

13| D'ct'i i 4-7 b's a'v'c' A'b'yn'i b' Kip|

d'm'd'i'v'm' v'bi/cb (PHOSPHORUS TEST)

1| P-1 `eb c'Z c'vj x GKwU fj j'gUJK d'`v'bb Ges Gi Dcti GKwU dvtbj `vcb Kip| P-1 wi G'R'Ui GKwU c'v'KU t'KtU wi G'R'U dvtbj Xij p| I qvk tevZtj i mrvth` wWoi I qvUvi w`tq atq atq wi G'R'U fj j'gUJK d'`v'bb Ges AvbgwbK 90 wg.wj . (d'`v' i Mj v chSZ) cwb w`tq fvj f'v'te Svk't'q P-1 wi G'R'U c'f'vcyi `uj t'q wbb| wi G'R'U m'c'b'q' Mtj hvevi ci `vM chSZ cwb w`tq 100 wg.wj . `eb `Zix Kip| `eb P-1 Lwj tevZtj msi q'lb Kip|

2| GKwU t'm'k's w'U'D'te 5 M'g i Kbv gwU i b'g'p'v wbb| gwU i pH 5.5 Gi t'ek'x n'tj G't'Z 10 w'm'w' w'm'j U'v't'i mrvth` 10 wg.wj . w'Woi I qvUvi I 10 wg.wj . P-1 `eb w`b| gwU i pH 5.5 A_ev Gi K'g' n't'j , 50 w'm'w' w'm'j U'v't'i mrvth` 20 wg.wj . w'Woi I qvUvi I 1 wg.wj . P-2 `eb w`b|

3| G'K' w'g'ubU Svk't'q w'd'ev'i w'U'D'te w'd'ev'i t'c'c'v'i e'w'm't'q w'd'ev'i Kip|

4| GKwU t'U'o w'U'D'te W'c'v't'i mrvth` 1 wg.wj . gwU i w'b'h'f'k' wbb|

5| G't'Z w'c't'ct'Ui mrvth` 4 wg.wj . w'Woi I qvUvi Ges `b' t'd'v'v P-3 w`b Ges w'g'k'v'b|

- 6 | Wcvti i mrvth 0.5 wg.wj . P-4 wi GtRjU w b Ges wgvb |
- 7 | KwVi mrvth mvgvb cwi gvb (KwVi tkl cStSZ hZUKzati) P-5 wi GtRjU w b | tUo wJDte gL eU Kti Smtq i wzb `eb `Zix Kip |
- 8 | cvP wgvbU ci i wzb `eb m'vcj wJDte wbb Ges dmdim i wzb P'vUP lw HI mvt_ wgvj tq P Gi cwi gvb wbb Kip | m'vcj is I PvU's ueu bvl wj tZ cvti , tKvb GKw PvU's Gi tPtq tekx Avevi cieZ'is Gi tPtq Kg ntZ cvti | tm t'q'it H `wU is Gi ga'eZ'P Gi gvb wbtZ nte | mefk'tl P Gi cwi gvtbi Dci wfwE Kti P De'Zvi tkbx wfvM wYq Kip |

De'Zvi tkbx	AnZ vbae	vbae	ga'g	DEg
dmdim (wcvGg)	≤ 6	7-12	13-18	19-24

cUwkqvg wbi'cb (POTASSIUM TEST)

- 1 | **K-1 `eb cOZ cbvj x** GKwU fj j'tguUK d'w' wbb Ges Gi Dcti GKwU d'vbj `vcb Kip | K-1 wi GtRjUi GKwU c'v'KU t'ktU wi GtRjU d'v'bj Xvj p | I qvk tevZ'tj i mrvth' w'w'oi I qvUvi w' tq a'q a'q wi GtRjU fj j'tguUK d'w' wbb Ges w'v'bgw'k 90 wg.wj . (d'v'ci Mj v ch'SZ) cwb w' tq f'vj f'vte Smtq K-1 wi GtRjU c'f'v'c'ji w'j tq wbb | wi GtRjU m'vc'w'it'j h'v'vi ci `wM ch'SZ cwb w' tq 100 wg.wj . `eb `Zix Kip | `eb K-1 Lw'j tevZ'tj msi'q'ib Kip |
- 2 | GKwU t'm'ks wJDte 5 M'og i Kbv gw'U i b'g'p'v wbb | GtZ 10 w'm'w'w'j U'v'ti i mrvth' 10 wg.wj . w'w'oi I qvUvi I 10 wg.wj . K-1 `eb w' b |
- 3 | GK wgvbU Smtq ti tL w' b Ges `k wgvbU ci w'd'evi wJDte w'd'evi t'ccvi e'w'tq w'd'evi Kip |
- 4 | দু'টি টেস্ট টিউব নিন, একটি স্যাম্পলের জন্য এবং অন্যটি ব্লান্ক এর জন্য।
- 5 | GKwU tU ÷ wJDte Wcvti i mrvth' 1 wg.wj . gw'U i w'bh'k n'in a'ar a'ny'c'ite b'lan'k e'r j'ny ১ মি.লি. K-1 `eb w' b |
- 6 | `B t'v'Uv K-2 wi GtRjU Df'q tU ÷ wJDte m'v'm'w' `e'tb w' b Ges n'v'j K'v'f'vte w'g'k'v'b |
- 7 | GKB f'vte w'z'b t'v'Uv K-3 wi GtRjU Df'q tU ÷ wJDte m'v'm'w' `e'tb w' b Ges n'v'j K'v'f'vte w'g'k'v'b |
- 7 | GK wg.wj . K-4 wi GtRjU Df'q tU ÷ wJDte M'v' t'N'it Xvj p Ges n'v'Zi Z'v'j'Z K'tq'K'w'U e'w'w' w' tq f'vj f'vte w'g'k'v'b |
- 8 | `B/w'z'b wgvbU ci `B K'v'g'iv w'w'k'ó GKwU s'ya'm'p'l t'it'v'v'er e'k k'a'm'ra'y s'ya'm'p'l d'r'v'n o' a'ny k'a'm'ra'y b'lan'k d'r'v'n n'in . s'ya'm'p'l t'it'v'v'at'i K'g't'c'i'U i e't' i L'v't'R i'v'L'p h'v'Z m'v'c'j m'v'w'it'w' i c'v't'k m'v'c'j `eb `v't'K | Df'q `e't'bi w'f'Zi w' tq `B c'v't'ki j'v'Bb t' L'p | Gevi P'v'K'w'Z N'v'j'q N'v'j'q `B c'v't'ki j'v'Bb w'g'j'v'b | `B c'v't'ki j'v'Bb w'g'j'j' K Gi g'v'b w'btZ nte | h'w' `B c'v't'ki j'v'Bb ueu b'v' w'g't'j , t'Kvb GKwU j'v'B'bi t'Ptq GKU'z'w'j K'v' Avevi cieZ'j'v'B'bi t'Ptq GKU'z'w'p n'q tm t'q'it H `wU j'v'B'bi ga'eZ'x'K Gi g'v'b w'btZ nte | h'w' m'v'c'j `e't'bi t'f'Zi w' tq j'v'Bb G't'K'v't'i B t' L'v' b'v' h'v'q Z'v't'j K Gi c'w' i g'v'b 0.30 wg.wj Z'j' v'w' / 100 M'og Gi tekx nte | mefk'tl K Gi g'v't'bi Dci w'fwE Kti K De'Zvi tkbx wfvM wbb Kip |

De'Zvi tkbx	AnZ vbae	vbae	ga'g	DEg
cUwkqvg (wg.wj Zj' v'w' / 100 M'og)	≤ 0.075	0.076-0.150	0.151-0.226	0.227-0.30

mj dvi wbi'cb (SULPHUR TEST)

- 1 | **S-1 `eb cOZ cbvj x** GKwU fj j'tguUK d'w' wbb Ges Gi Dcti GKwU d'vbj `vcb Kip | S-1 wi GtRjUi GKwU c'v'KU t'ktU wi GtRjU d'v'bj Xvj p | I qvk tevZ'tj i mrvth' w'w'oi I qvUvi w' tq a'q a'q wi GtRjU fj j'tguUK d'w' wbb Ges w'v'bgw'k 90 wg.wj . (d'v'ci Mj v ch'SZ) cwb w' b | GtZ 5 t'v'Uv S-2 w' tq f'vj f'vte Smtq S-1 wi GtRjU c'f'v'c'ji w'j tq wbb | wi GtRjU m'vc'w'it'j h'v'vi ci `wM ch'SZ cwb w' tq 100 wg.wj . `eb `Zix Kip | `eb S-1 Lw'j tevZ'tj msi'q'ib Kip |
- 2 | GKwU t'm'ks wJDte 10 M'og i Kbv gw'U i b'g'p'v wbb | GtZ 10 w'm'w'w'j U'v'ti i mrvth' 10 wg.wj . w'w'oi I qvUvi I 10 wg.wj . S-1 `eb w' b |
- 3 | GK wgvbU Smtq w'd'evi wJDte w'd'evi t'ccvi e'w'tq w'd'evi Kip |
- 4 | `wU tUo t'it'v'v' n'in , e'k'c'it'i s'ya'm'p'l'er j'ny e'v'w' a'ny'c'it'i b'lan'k e'r j'ny .
- 5 | m'v'c'j tUo wJDte 5 wg.wj . gw'U i w'bh'k a'ar b'lan'k t'it'v'v'e ৫ মি.লি. ডিষ্টিল্ড ওয়াটার নিন।
- 6 | Df'q wJDte 3 t'v'Uv S-2 I 2 t'v'Uv S-3 wi GtRjU w' b Ges w'g'k'v'b |
- 7 | Df'q wJDte 2 t'v'Uv S-4 wi GtRjU w' b Ges w'g'k'v'b | j'q' Kip , Df'q wJDte i `e't'bi is n'j'j Ges স্বচ্ছ |
- 8 | Df'q wJDte 0.5 wg.wj . S-5 wi GtRjU w' b | wJDte g'L e'U Kti f'ij f'vte Smtq w'g'k'v'b |
- 9 | `B/w'z'b wgvbU ci `B K'v'g'iv w'w'k'ó GKwU m'v'c'j wJDte i GK K'v'g'iv m'v'p'l d'r'v'n o' a'ny k'a'm'ra'y b'lan'k d'r'v'n n'in . s'ya'm'p'l t'it'v'v'at'i k'm'p'e'r'e't'r e't' i L'v't'R i'v'L'p h'v'Z m'v'c'j m'v'w'it'w' i c'v't'k m'v'c'j `eb `v't'K | Df'q `e't'bi w'f'Zi w' tq `B c'v't'ki j'v'Bb t' L'p | Gevi P'v'K'w'Z N'v'j'q N'v'j'q `B c'v't'ki j'v'Bb w'g'j'v'tZ nte | `B c'v't'ki j'v'Bb w'g'j'j' S Gi g'v'b w'btZ nte | h'w' `B c'v't'ki j'v'Bb ueu b'v' w'g't'j , t'Kvb GKwU j'v'B'bi t'Ptq GKU'z'w'j K'v' Avevi cieZ'j'v'B'bi t'Ptq GKU'z'w'p n'q tm t'q'it H `wU j'v'B'bi ga'eZ'x'S Gi g'v'b w'btZ nte | h'w' m'v'c'j `e't'bi t'f'Zi w' tq j'v'Bb G't'K'v't'i B t' L'v' b'v' h'v'q Z'v't'j S Gi c'w' i g'v'b 36 w'cv'Gg Gi tekx nte | mefk'tl S Gi g'v't'bi Dci w'fwE Kti S De'Zvi tkbx wfvM wbb Kip |

De'Zvi tkbx	AnZ vbae	vbae	ga'g	DEg
mj dvi (wcvGg)	≤ 9	10-18	19-27	28-36

mnRj f' bvBtU'Rb wbi'cb (AVAILABLE NITROGEN TEST)

- 1 | **N-1 `eb cOZ cbvj x** GKwU fj j'tguUK d'w' wbb Ges Gi Dcti GKwU d'vbj `vcb Kip | N-1 wi GtRjUi GKwU c'v'KU t'ktU wi GtRjU d'v'bj Xvj p | I qvk tevZ'tj i mrvth' w'w'oi I qvUvi w' tq a'q a'q wi GtRjU fj j'tguUK d'w' wbb Ges w'v'bgw'k 90 wg.wj . (d'v'ci Mj v ch'SZ) cwb w' tq f'vj f'vte Smtq N-1 wi GtRjU c'f'v'c'ji w'j tq wbb | wi GtRjU m'vc'w'it'j h'v'vi ci `wM ch'SZ cwb w' tq 100 wg.wj . `eb `Zix Kip | `eb N-1 Lw'j tevZ'tj msi'q'ib Kip |
- 2 | GKwU t'm'ks wJDte 5 M'og i Kbv gw'U i b'g'p'v wbb | GtZ 10 w'm'w'w'j U'v'ti i mrvth' 10 wg.wj . w'w'oi I qvUvi I 10 wg.wj . N -1 `eb w' b |
- 3 | GK wgvbU Smtq w'd'evi wJDte w'd'evi t'ccvi e'w'tq w'd'evi Kip |
- 4 | GKwU tU ÷ wJDte 1 wg.wj . gw'U i w'bh'k w' b |
- 5 | GtZ w'cv't'U i mrvth' 8 wg.wj . w'w'oi I qvUvi w' b Ges `B t'v'Uv N-2 wi GtRjU w' tq w'g'k'v'b |
- 6 | `B/w'z'b wgvbU ci cvP t'v'Uv N-3 wi GtRjU w' b Ges w'g'k'v'b |
- 7 | tU ÷ wJDte 3 t'v'Uv N-4 wi GtRjU w' tq c'p'v'q w'g'k'v'b Ges i w'z'b `eb `Zix Kip |
- 8 | `B/w'z'b wgvbU ci GKwU m'v'c'j wJDte 5 wg.wj . i w'z'b `eb w' b | m'v'c'j wJDe'U bvBtU'Rb i w'z'b P'v'UP m'v' w'g'j'q N Gi c'w' i g'v'b w'bb Kip | m'v'c'j is I PvU's ueu b'v' w'g't'j cvti , t'Kvb GKwU PvU's Gi t'Ptq tekx Avevi cieZ'is Gi t'Ptq Kg ntZ cvti | tm t'q'it H `wU is Gi ga'eZ'x'N Gi g'v'b w'btZ nte | mefk'tl , N Gi c'w' i g'v't'bi Dci w'fwE Kti N De'Zvi tkbx wfvM wYq Kip |

De'Zvi tkbx	AnZ vbae	vbae	ga'g	DEg
bvBtU'Rb (wcvGg)	≤ 50	51-100	101-150	151-200

gw'lt'Z mnRj f' bvBtU'Rb Gi Dci w'fwE Kti BDwi'qv m'v'ti i c'w' i g'v'b K'g'v'Z nte | mnRj f' bvBtU'Rb ≤ 50 ntj v'ba'w'i Z BDwi'qv m'v'ti i c'w' i g'v'b w'K _v'K'te Avi 51-100 ntj 15% , 101-150 ntj 25% Ges 151-200 ntj 35% Kg nte |

